

The Week for JCS2020

Change Practice !!

第84回

日本循環器学会学術集会

2020.

7.27(月)-8.2(日)

会長：木村 剛

(京都大学大学院医学研究科 循環器内科学 教授)

| My Abstract |

プログラム

第84回日本循環器学会学術集会

《 ご案内 》

オンデマンド配信は、7月27日(月)17:00 より 10月30日(金)正午まで
24時間いつでもご覧いただくことができます。
本プログラムのセッション名に記載されている時間外でも閲覧可能ですのでご注意ください。
なお、閲覧には、参加登録時に発行される抄録閲覧パスワードが必要です。

オンデマンド配信

OnDemand

代表理事講演 9:00-17:00

座長：小川 久雄（国立循環器病研究センター）

代表理事講演-1 Future Direction of the JCS 351

小室 一成（東京大学大学院医学系研究科循環器内科学）

代表理事講演-2 Future Direction of the JCS 352

平田 健一（神戸大学大学院医学研究科 循環器内科学分野）

日本心臓財団シンポジウム

未来の循環器病予防—precision prevention & medicine 9:00-17:00

座長：山口 徹（公益財団法人日本心臓財団）

座長：小室 一成（東京大学大学院医学系研究科循環器内科学）

日本心臓財団シンポジウム-1 循環器病予防の現状と課題 633

三浦 克之（滋賀医科大学 社会医学講座 公衆衛生学部門）

日本心臓財団シンポジウム-2 メタボ検診の課題と将来展望 634

堀松 高博（厚生労働省 健康局 健康課）

日本心臓財団シンポジウム-3 ナッジ理論を活用した予防 635

野出 孝一（佐賀大学医学部 循環器内科）

日本心臓財団シンポジウム-4 polygenic score によるリスクの層別化 636

伊藤 薫（理化学研究所 生命医科学研究センター 循環器ゲノミクス・インフォマティクス研究チーム）

日本心臓財団シンポジウム-5 AI による precision medicine 637

野村 征太郎（東京大学医学部附属病院 循環器内科）

Plenary Session 12

Epigenome/RNA and Signaling 9:00-17:00

Chairperson : Issei Komuro (Department of Cardiovascular Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo)

Chairperson : Stefanie Dimmeler (Goethe University Frankfurt, Institute of Cardiovascular Regeneration, Germany)

Plenary12-1 State-of-the-Art

Epigenetic and RNA Control of Cardiovascular Repair and Regeneration 418

Stefanie Dimmeler (Goethe University Frankfurt, Germany)

Plenary12-2 Cardiac Development: Basis for Disease and Regeneration 419

Deepak Srivastava (Gladstone Institutes, USA)

Plenary12-3 Long Non-coding RNA Tsix and Brugada Syndrome 420

Yukiko Nakano (Department of Cardiovascular Medicine, Hiroshima University, Hiroshima)

Plenary12-4 Next-Generation Gene Therapy for Heart Failure 421

Yasutomi Higashikuni (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)

Plenary Session 13

Clinical Application of Regenerative Medicine in the Cardiovascular Field 9:00-17:00

Chairperson : Keiichi Fukuda (Department of Cardiology, Keio University School of Medicine, Tokyo)

Chairperson : Youngkeun Ahn (Chonnam National University Medical School, Gwangju, Korea)

Plenary13-1 State-of-the-Art

Current Status of Heart Regeneration in USA 422

Deepak Srivastava (Gladstone Institutes, USA)

Plenary13-2	Stem Cell Replacement Therapy with Distinct Effectors in Supporting Clinical Translation	423
	Youngkeun Ahn (Chonnam National University Medical School, Gwangju, Korea)	
Plenary13-3	Current Status of Heart Regeneration in Europe	424
	Stefanie Dimmeler (Goethe University Frankfurt, Germany)	
Plenary13-4	Cardiac Regenerative Therapy with Human Pluripotent Stem Cells	425
	Shugo Tohyama (Department of Cardiology, Keio University School of Medicine, Tokyo)	
Plenary13-5	Cardiosphere-Derived Cells in Congenital Heart Disease	426
	Hidemasa Oh (Department of Regenerative Medicine, Okayama University Hospital, Okayama)	

Symposium 9

Thrombosis Research -Update-

9:00-17:00

Chairperson : Hisanori Horiuchi (Department of Molecular and Cellular Biology, Institute of Development, Aging and Cancer, Tohoku University, Sendai)

Chairperson : Peter Libby (Brigham and Women's Hospital/Harvard Medical School, USA)

Symposium9-1 Keynote Lecture

Novel Mechanisms of Atherothrombosis	490
--	-----

Peter Libby (Brigham and Women's Hospital and Harvard Medical School, USA)

Symposium9-2 Impaired Fibrinolysis in Chronic Thromboembolic Pulmonary Hypertension Caused by Thrombin-Activatable Fibrinolysis Inhibitor	492
---	-----

Nobuhiro Yaoita (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

Symposium9-3 Development of a Therapeutic Anti-ADAMTS13 Inhibitory Antibody for Acquired Von Willebrand Syndrome Caused by Excessive ADAMTS13 Cleavage	493
--	-----

Masanori Matsumoto (Department of Blood Transfusion Medicine, Nara Medical University, Kashihara)

Symposium9-4 Involvement of Vital NETosis in the Progression of High Fat Diet-induced Atherogenic Vascular Inflammation	494
---	-----

Masayuki Yoshida (Department of Life Science and Bioethics, Tokyo Medical and Dental University, Tokyo)

Symposium9-5 New Rabbit Model of Plaque Erosion Reveals Prothrombotic Roles of Oxysterols	495
---	-----

Tetsuya Matoba (Department of Cardiovascular Medicine, Kyushu University, Fukuoka)

Symposium 10

Precision Medicine Targeting Atrial Fibrillation and Cardiogenic Embolism

9:00-17:00

Chairperson : Nobuhisa Hagiwara (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Chairperson : Tetsushi Furukawa (Department of Cardiovascular Physiology, Tokyo Medical and Dental University, Tokyo)

Symposium10-1 Keynote Lecture

Artificial Intelligence and Big Data Analysis in the Era of Precision-medicine for Patients with Atrial Fibrillation	496
--	-----

Shih-An Chen (Taipei Veterans General Hospital, Taiwan)

Symposium10-2 Genome-wide Association Study for Atrial Fibrillation and Precision Medicine	497
--	-----

Kaoru Ito (Laboratory for Cardiovascular Genomics and Informatics, RIKEN Center for Integrative Medical Sciences, Yokohama)

Symposium10-3 Novel Risk Stratification for Atrial Fibrillation Focusing on Atrial Remodeling	498
---	-----

Tetsuo Sasano (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

Symposium10-4 Efficacy of Novel Patch Type Device for Screening Silent Atrial Fibrillation	499
--	-----

Yousaku Okubo (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)

Symposium 15

New Aspect on the Role of Metabolic Disorders in the Pathophysiology of Cardiovascular Diseases

9:00-17:00

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

Chairperson : Koichiro Kuwahara (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)

Symposium15-1 Keynote Lecture	
Recent Progress in Understanding Pathophysiology and Prevention of Cardiovascular Diseases by Novel Drugs for Type 2 Diabetes Mellitus	525
Darren K. Mcguire (University of Texas Southwestern Medical Center, USA)	
Symposium15-2 Regulation of Cardiac Insulin Signaling by Hydrogen Sulfide in High Fat Diet-Induced Obesity	526
John W. Calvert (Emory University School of Medicine, USA)	
Symposium15-3 Metabolomics Analysis Using FABP4/5 Double Knockout Mice Unveils the Mechanism of Streptozotocin-induced Diabetic Cardiomyopathy	527
Tatsuya Iso (Gunma University Graduate School of Medicine, Department of Cardiovascular Medicine, Maebashi)	
Symposium15-4 Role of a Novel Anti-inflammatory Adipokine Adipolin in Cardiovascular and Metabolic Regulation	528
Koji Ohashi (Department of Molecular Medicine and Cardiology, Nagoya University Graduate School of Medicine, Nagoya)	
Symposium15-5 The Mitochondrial Adenine Nucleotide Translocator Mediates Mitophagy Independently of Its Nucleotide Exchange Activity	529
Atsushi Hoshino (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)	
Discussion	530

Symposium 18

Arterial and Aortic Wall Remodeling in Vascular Diseases 9:00-17:00

Chairperson : Hiroki Aoki (Cardiovascular Research Institute, Kurume University, Kurume)
 Chairperson : Ichiro Manabe (Department of Disease Biology and Molecular Medicine, Chiba University Graduate School of Medicine, Chiba)

Symposium18-1 Keynote Lecture	
The Role of Non-coding RNA in Vascular Diseases	545
Stefanie Dimmeler (Goethe University Frankfurt, Germany)	
Symposium18-2 Withdrawn	546
Symposium18-3 Targeting Vascular Specific Seno-antigens as Novel Therapeutic Strategy for Atherosclerosis	547
Tohru Minamino (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)	
Symposium18-4 Regulation of Extracellular Matrix Metabolism in Aortic Dissection	548
Norifumi Nishida (Department of Internal Medicine, Division of Cardio-Vascular Medicine, Kurume University School of Medicine, Kurume)	
Symposium18-5 Identification of Novel Therapeutic Targets for Thoracic Aortic Aneurysms	549
Kimio Satoh (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)	

APSC-JCS Joint Session 2

New Data from Important Clinical Studies-1: Vascular 9:00-17:00

Chairperson : Wei-Ting Wang (Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital, Taiwan)
 Chairperson : Junichi Yamaguchi (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
 Discussant : Toshiaki Izumi (Saiseikai Noe Hospital, Department of Cardiology, Osaka)

APSC-JCS Joint2-1 The Patient Characteristics and Cardio Ankle Vascular Index in Japanese Elderly Patients with Cardiovascular Risk Factor -Coupling Registry-	2597
Tomoyuki Kabutoya (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Shimotsuke)	
APSC-JCS Joint2-2 The Current Status of Venous Thromboembolism in Japan: Insight from a Nationwide Claim-Based Database, JROAD-DPC Study	2598
Yugo Yamashita (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
APSC-JCS Joint2-3 Drug Coated Balloon for Hemodialysis Patients	2599
Kazuki Tobita (Department of Cardiology, Shonan Kamakura General Hospital, Kamakura)	
APSC-JCS Joint2-4 Withdrawn	2600

APSC-JCS Joint2-5 Comparison of Radial Artery Injury after 6Fr GSS-TRI and 6.5Fr Sheathless TRI Using FD-OCT/OFDI. Prospective Multi-center Randomized Trial (CORAL-REEF Trial)	2601
Takatoshi Wakeyama (Department of Cardiology, Tokuyama Central Hospital, Shunan)	

APSC-JCS Joint2-6 The Latest Status of Access Site in Patients Undergoing Primary Percutaneous Coronary Intervention for Acute Myocardial Infarction	2602
Hideki Miyachi (Tokyo CCU Network Scientific Committee, Tokyo)	

APSC-JCS Joint Session 4

New Data from Important Clinical Studies-2: Prevention	9:00-17:00
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Chairperson : Noriyuki Wakana (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)
 Chairperson : Eri Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Atsushi Nohara (Department of Clinical Genetics, Ishikawa Prefectural Central Hospital, Kanazawa)
 Discussant : Susumu Suzuki (Department of Cardiology, Handa City Hospital, Handa)

APSC-JCS Joint4-1 The Association of Furin-cleaved and Mature PCSK9 with Their Pro-inflammatory Property and Coronary/Cerebrovascular Events: Insights from the Suita Study	2609
Yu Kataoka (Department of Cardiovascular Medicine, National Cerebral & Cardiovascular Center, Suita)	

APSC-JCS Joint4-2 Predictive Values of Coronary Artery Calcium Score and Plaque Characteristics: Post Hoc Analysis of the PREDICT Registry	2610
Hideya Yamamoto (Faculty of Pharmacy, Yasuda Women's University, Hiroshima)	

APSC-JCS Joint4-3 Effects of Anagliptin and Sitagliptin on Free Light Chains and Troponin-I in Diabetic Patients with Cardiovascular Risk in REASON Substudy	2611
Atsuyuki Wada (Division of Cardiology, Kusatsu General Hospital, Kusatsu)	

APSC-JCS Joint4-4 Effect of PCSK9 (Proprotein Convertase Subtilisin/Kexin Type 9) Inhibitor on Acute Myocardial Infarction	2612
Tomoaki Okada (Department of Cardiology, Kagawa Prefectural Central Hospital, Takamatsu)	

APSC-JCS Joint4-5 Risk Factors for Cardiovascular Events in an Elderly Japanese Population with Peripheral Arterial Disease: A Prospective Observational Multicenter Study (SEASON)	2613
Shogo Matsui (Department of Cardiology, Hiroshima Prefectural Hospital, Hiroshima)	

APSC-JCS Joint4-6 Comparative Effectiveness of Angiotensin II Receptor Blockers in Patients with Hypertension in Japan: A Systematic Literature Review and Network Meta-analysis	2614
Mitsuru Ohishi (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)	

APSC-JCS Joint Session 6

New Data from Important Clinical Studies-3: Heart Failure	9:00-17:00
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Chairperson : Aekarach Ariyachaipanich (Chulalongkorn University, Thailand)
 Chairperson : Hiroyuki Okura (Department of Cardiology, Gifu University Graduate School of Medicine, Gifu)
 Discussant : Kaoru Dohi (Department of Cardiology and Nephrology, Mie University Graduate School of Medicine, Tsu)
 Discussant : Kisho Ohtani (Department of Cardiovascular Medicine, Faculty of Medical Sciences, Kyushu University, Fukuoka)

APSC-JCS Joint6-1 The Effects of Xanthine Oxidase Inhibitor in Patients with Chronic Heart Failure Complicated with Hyperuricemia	2621
Masashi Sakuma (Department of Cardiovascular, Dokkyo Medical University, Mibu)	

APSC-JCS Joint6-2 Tolvaptan Administration among Patients with Heart Failure in Japan: A Nation-wide Claim-based Data Analysis	2622
Makoto Takei (Department of Cardiology, Tokyo Saiseikai Central Hospital, Tokyo)	

APSC-JCS Joint6-3 Registry of Chronic Heart Failure in Awaji Island (KUNIUMI Registry 3)	2623
Wataru Fujimoto (Department of Cardiology, Awaji Medical Center, Sumoto)	

APSC-JCS Joint6-4 Assessment of Quality of Life during Long-Term Treatment of Tolvaptan in Refractory Heart Failure: Results of AQUA-TLV Study	2624
Teruhiko Imamura (Division of Cardiology, University of Chicago Medical Center, USA)	

APSC-JCS Joint6-5 Impact of Cardiac Rehabilitation on Reducing Rehospitalization and Rehospitalization Medical Expenses in Patients with Heart Failure	2625
Yuya Yokota (Department of Medicine, Division of Cardiology, Showa University School of Medicine, Tokyo)	

APSC-JCS Joint Session 7

New Data from Important Clinical Studies-4: Arrhythmia

9:00-17:00

Chairperson : Takumi Yamada (University of Alabama at Birmingham, USA)
 Chairperson : Hiroshi Tada (Department of Cardiovascular Medicine, University of Fukui, Fukui)
 Discussant : Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
 Discussant : Atsushi Kobori (Department of Cardiology, Kobe City Medical Center General Hospital, Kobe)

APSC-JCS Joint7-1 Low-Voltage-Area Ablation in Patients with Paroxysmal Atrial Fibrillation: Results of a Randomized Controlled VOLCANO Trial

2626

Masaharu Masuda (Cardiovascular Center, Kansai Rosai Hospital, Amagasaki)

APSC-JCS Joint7-2 Final Report on Overall Outcomes of the Xarelto Post-Authorization Safety & Effectiveness Study in Japanese Patients with Atrial Fibrillation (XAPASS)

2627

Takanori Ikeda (Toho University, Department of Cardiovascular Medicine, Tokyo)

APSC-JCS Joint7-3 Long-term Incidence of Thromboembolism and Major Bleeding in Patients Who Underwent Catheter Ablation for Atrial Fibrillation: JACRE-Ex Registry

2628

Koichi Inoue (Department of Cardiology, Sakurabashi Watanabe Hospital, Osaka)

APSC-JCS Joint7-4 The Impact of Hospital Case Volume on Periprocedural Complications and One-Year Outcomes after Catheter Ablation for Atrial Fibrillation

2629

Koshiro Kanaoka (Department of Cardiovascular Medicine, Nara Medical University, Kashihara)

APSC-JCS Joint7-5 Multicenter Prospective Cohort Anticoagulation Study by Primary Care Physicians in Patients with Non-valvular Atrial Fibrillation (GENERAL)

2630

Kengo Kusano (Department of Cardiovascular Center, National Cerebral and Cardiovascular Center, Suita)

AHA-JCS Joint Symposium

Clinical Characteristics for HFpEF and Its Possible Molecular Mechanism

9:00-17:00

Chairperson : Yoshihiko Saito (Department of Cardiovascular Medicine, Nara Medical University, Nara)
 Chairperson : Mitchell S. V. Elkind (Department of Neurology, Columbia University, USA)

AHA-JCS Joint-1 Differences in Clinical Features and Outcomes of HFpEF Patients between Japan and United States

598

Toshiyuki Nagai (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)

AHA-JCS Joint-2 Understanding of Clinical Features of HFpEF in USA and Japan

599

Sanjiv J. Shah (Northwestern University Feinberg School of Medicine, USA)

AHA-JCS Joint-3 The Impact of the Post-Translational Modification of Mitochondrial Proteins to the Pathogenesis of HFpEF

600

Yuichiro Arima (Department of Cardiovascular Medicine, Kumamoto University, Kumamoto/International Research Center for Medical Science, Kumamoto)

AHA-JCS Joint-4 Novel Molecular Mechanisms of HFpEF: Meta-inflammation

601

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

KSC-JCS Joint Symposium

New Technology of Echocardiography

9:00-17:00

Chairperson : Chisato Izumi (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka)
 Chairperson : Kee-Sik Kim (Daegu Catholic University, Korea)

KSC-JCS Joint-1 Advances in 3D Echocardiology

602

Yoshihiro Seo (Department of Cardio-Renal Medicine and Hypertension, Nagoya City University Graduate School of Medical Sciences, Nagoya)

KSC-JCS Joint-2 Advances in Automated Quantification

603

Hyuk-Jae Chang (Severance Cardiovascular Hospital Yonsei College of Medicine, Korea)

KSC-JCS Joint-3 Visualization of Intracardiac Flow

604

Satoshi Nakatani (Saiseikai Senri Hospital, Suita)

KSC-JCS Joint-4 Future Direction of Myocardial Strain

605

Goo-Yeong Cho (Seoul National University Bundang Hospital, Korea)

CSC-JCS Joint Symposium

Intravascular Imaging for Coronary Intervention

9:00-17:00

Chairperson : Yuji Ikari (Department of Cardiovascular Medicine, Tokai University School of Medicine, Isehara)
 Chairperson : Haibo Jia (The Second Affiliated Hospital of Harbin Medical University, China)

CSC-JCS Joint-1 OCT Findings of Drug-eluting Stent and Optimal Duration of Dual Anti-platelet Therapy	606
Toshiro Shinke (Division of Cardiology, Showa University School of Medicine, Tokyo)	
CSC-JCS Joint-2 Pathology and Imaging in Coronary Artery Disease	607
Gaku Nakazawa (Department of Cardiology, Kindai University, Osaka Sayama)	
CSC-JCS Joint-3 Intravascular Imaging to Assess the Culprit Lesion and Guide the PCI Strategies and Patient Management in ACS	608
Haibo Jia (The Second Affiliated Hospital of Harbin Medical University, The Key Laboratory of Myocardial Ischemia, Chinese Ministry of Education, China)	
CSC-JCS Joint-4 Interventional Treatment of CHIPs Supported by ECMO	609
Bin Liu (The Second Hospital of Jilin University, China)	
Discussion	610

ESC-JCS Joint Symposium

New Findings in Diabetic Cardiomyopathy

9:00-17:00

Chairperson : Toyoaki Murohara (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
 Chairperson : Barbara Casadei (The European Society of Cardiology)

ESC-JCS Joint-1 The Various Phenotypes of Diabetic Cardiomyopathy	611
Campello-Derumeaux Geneviève A (Department of Cardiology, Hopital Henri Mondor, Paris, France)	
ESC-JCS Joint-2 New Therapy for Diabetic Heart Failure	612
Atsushi Tanaka (Department of Cardiovascular Medicine, Saga University, Saga)	
ESC-JCS Joint-3 Can Treatment of Diabetes Mellitus and of Insulin Resistance Prevent the Development of Heart Failure?	613
Petar Seferovic (The President, Heart failure Association of the ESC and President, Heart Failure Society of Serbia, Serbia)	
ESC-JCS Joint-4 Update to Metabolic Remodeling and Its Role in Pathogenesis of Diabetic Cardiomyopathy	614
Yasuko K. Bando (Department of Cardiology, Nagoya University School of Medicine, Nagoya)	

ACC-JCS Joint Symposium

Catheter Ablation for Ventricular Arrhythmias

9:00-17:00

Chairperson : Akihiko Nogami (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
 Chairperson : Richard Kovacs (ACC President)

ACC-JCS Joint-1 Catheter Ablation of Refractory Ventricular Fibrillation Storm after Myocardial Infarction	615
Yuki Komatsu (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)	
ACC-JCS Joint-2 Catheter Ablation of Idiopathic Ventricular Tachycardia	616
John M. Miller (Indiana University School of Medicine, USA)	
ACC-JCS Joint-3 Catheter Ablation of Ventricular Tachycardia in Cardiac Sarcoidosis	617
Kyoko Soejima (Department of Cardiovascular Medicine, Kyorin University School of Medicine, Tokyo)	
ACC-JCS Joint-4 ARVC in Athletes: Identification and Treatment	618
Richard Kovacs (Indiana University Krannert Institute of Cardiology, USA)	

第 48 回循環器教育セッション I

弁膜症診療最新の動向

9:00-17:00

座長 : 坂口 元一 (近畿大学心臓血管外科)
 座長 : 新家 俊郎 (昭和大学循環器内科学)

教育セッション I-1 The Latest Trend of Imaging in the Treatment of Valvular Heart Disease	2499
渡辺 弘之 (東京ベイ・浦安市川医療センター 循環器内科)	

教育セッション I-2 経カテーテル的弁膜症治療の最新の動向	2500
江原 夏彦 (神戸市立医療センター中央市民病院 循環器内科)	
教育セッション I-3 低侵襲弁膜症手術 (MICS) の最新の動向	2501
中村 喜次 (千葉西総合病院 心臓血管外科)	
教育セッション I-4 ロボット手術による心臓弁症治療の動向	2502
藤田 知之 (国立循環器病研究センター 心臓血管外科)	

第 48 回循環器教育セッション II-1 今必要とされる心不全における緩和ケア

9:00-17:00

座長：筒井 裕之 (九州大学大学院医学研究院循環器内科学)
座長：大石 醒悟 (兵庫県立姫路循環器病センター循環器内科)

教育セッション II-1-1 循環器医の視点で考える心不全の緩和ケア	2503
柴田 龍宏 (久留米大学 内科学講座 心臓・血管内科部門)	
教育セッション II-1-2 緩和ケア医の役割	2504
柏木 秀行 (飯塚病院 連携医療・緩和ケア科)	
教育セッション II-1-3 チームで実践するアドバンス・ケア・プランニング	2505
高田 弥寿子 (国立循環器病研究センター 特定行為研修部)	

第 48 回循環器教育セッション II-2 循環器疾患と自動車運転/就労支援

9:00-17:00

座長：志賀 剛 (東京慈恵会医科大学臨床薬理学講座)
座長：渡邊 英一 (藤田医科大学循環器内科)

教育セッション II-2-1 職業運転者の健康起因性事故と循環器疾患	2506
安部 治彦 (産業医科大学 不整脈先端治療学)	
教育セッション II-2-2 不整脈に起因する失神例の自動車運転	2507
渡辺 重行 (筑波大学附属病院水戸地域医療教育センター・水戸協同病院)	
教育セッション II-2-3 循環器疾患と就労支援～特定健診・特定保健指導事業の関係から～	2508
松田 晋哉 (産業医科大学 公衆衛生学)	

第 48 回循環器教育セッション III-1 心筋症の画像診断

9:00-17:00

座長：池田 隆徳 (東邦大学大学院医学研究科循環器内科学)
座長：松本 直也 (日本大学循環器内科)

教育セッション III-1-1 心臓サルコイドーシスと心アミロイドーシスの核医学診断	2509
宮川 正男 (愛媛大学 放射線科、PET センター)	
教育セッション III-1-2 MRI—使用上の注意—	2510
奥田 茂男 (慶應義塾大学 放射線科 (診断))	
教育セッション III-1-3 心筋症の画像診断 心エコー	2511
石津 智子 (筑波大学 循環器内科)	

第 48 回循環器教育セッション III-2 変わりゆく PCI の適応：心筋虚血評価の重要性

9:00-17:00

座長：伊勢 裕二 (東海大学医学部内科学系循環器内科)
座長：中川 義久 (滋賀医科大学内科学講座循環器内科)

教育セッション III-2-1 冠動脈インターベンションの将来展望～PCI の今後あるべき姿～	2512
天野 哲也 (愛知医科大学 循環器内科)	
教育セッション III-2-2 冠動脈 CT、心筋シンチ、Exercise-ECG：PCI の適応と心筋虚血評価	2513
尾崎 行男 (藤田医科大学 循環器内科)	

教育セッション III-2-3 AngioFFR/iFR	2514
松尾 仁司 (岐阜ハートセンター 循環器内科)	

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)

女性循環器医師コンソーシアム (JCS-JJC) セッション

テーマ: Beyond Diversity: 2040 年問題と女性活用を考える—featuring SUNRISE (SUpporting youNg caRdiologIsts projEct) 9:00-17:00

座長: 明石 嘉浩 (聖マリアンナ医科大学循環器内科)

座長: 松尾 弥枝 (北関東循環器病院循環器内科)

ダイバーシティ推進委員会-1 女性医師支援と働き方改革に向けた内科学会の取り組み: 内科理事・女性活躍ロールモデルからの提言	661
名越 澄子 (埼玉医科大学総合医療センター消化器・肝臓内科)	
ダイバーシティ推進委員会-2 JCS-JJC 部会による 202030 達成度アンケート結果発表	662
井手 友美 (九州大学循環器内科)	
ダイバーシティ推進委員会-4 循環器学会における、新たな専門医制度における女性医師支援	663
吉川 勉 (榊原記念クリニック循環器内科)	
ダイバーシティ推進委員会-3 男性メンターからの視点と対策への提言	664
重城 健太郎 (東京女子医科大学 東医療センター心血管診療部)	
総合討論	665

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)

循環器診療における診療看護師の現状と課題

9:00-17:00

座長: 栗田 康生 (国際医療福祉大学)

座長: 哲翁-塚田 弥生 (日本医科大学武蔵小杉病院救急・総合診療センター)

ダイバーシティ推進委員会-1 循環器診療における診療看護師 (NP) の現状	666
栗田 康生 (国際医療福祉大学)	
ダイバーシティ推進委員会-2 植込み型心臓デバイス患者管理の立場から	667
前田 明子 (杏林大学医学部循環器内科学)	
ダイバーシティ推進委員会-3 心不全診療の立場から	668
伊波 早乃 (日本医科大学武蔵小杉病院)	
ダイバーシティ推進委員会-4 心臓血管外科領域で共働する医師の立場から	669
渡邊 孝 (名古屋女子大学/藤田医科大学)	
ダイバーシティ推進委員会-5 パネルディスカッション	670

日本循環器学会委員会セッション (学術委員会)

9:00-17:00

座長: 大手 信之 (名古屋市立大学大学院医学研究科心臓・腎高血圧内科学)

2018 年度メディカルスタッフ研究助成報告会-1 2018 年度メディカルスタッフ (医師を除く医療専門職) 研究助成報告会 房室弁開放時相の視覚的評価に基づく左心不全血行動態評価法に関する検討	696
村山 迪史 (北海道大学病院 超音波センター)	
2018 年度メディカルスタッフ研究助成報告会-2 2018 年度メディカルスタッフ (医師を除く医療専門職) 研究助成報告会 心血管疾患予防に向けた、リアルタイム心拍変動解析と運動強度の自己管理システムの開発	697
福井 契悟 (慶應義塾大学病院 リハビリテーション科)	
2018 年度メディカルスタッフ研究助成報告会-3 2018 年度メディカルスタッフ (医師を除く医療専門職) 研究助成報告会 心臓リハビリテーションにおける脳由来神経栄養因子 (Brain-derived Neurotrophic Factor: BDNF) と運動耐容能との関連についての検討	698
塚田 裕也 (久留米大学医療センター リハビリテーション部)	

日本循環器学会委員会セッション (学術委員会)

9:00-17:00

座長：斎藤 能彦 (奈良県立医科大学循環器内科)

2018 年度医師臨床研究助成報告会-1 2018 年度医師臨床研究助成報告会

心不全合併心房細動に対するアブレーション治療の心機能改善効果—下肢陽圧負荷心エコー図検査を用いた前向き観察研究— 699

楠瀬 賢也 (徳島大学病院 循環器内科)

2018 年度医師臨床研究助成報告会-2 2018 年度医師臨床研究助成報告会

第二世代急性心不全患者予後予測システムの構築：画像情報とその深層学習の応用 700

白石 泰之 (慶應義塾大学 循環器内科)

2018 年度医師臨床研究助成報告会-3 2018 年度医師臨床研究助成報告会

腸内細菌やその代謝産物をターゲットとした冠動脈疾患の予防・治療に関する研究 701

吉田 尚史 (神戸大学大学院医学研究科 内科学講座・循環器内科学分野)

日本循環器学会委員会セッション (医療安全部会)

第 4 回医療安全に関する講演会

9:00-17:00

座長：三浦 哲嗣 (札幌医科大学医学部循環器・腎臓・代謝内分泌内科学講座)

医療安全に関する講演会 医療事故調査制度の現状と今後の課題 702

木村 壮介 (一般社団法人 日本医療安全調査機構)

日本循環器学会委員会セッション (倫理委員会)

9:00-17:00

座長：植田 真一郎 (琉球大学大学院医学研究科臨床薬理学講座)

倫理に関する講演会 第 4 回倫理に関する講演会 703

板井 孝孝郎 (宮崎大学 社会医学講座生命・医療倫理学分野)

Featured Research Session 1

ACS/AMI

9:00-17:00

Chairperson : Satoshi Yasuda (National Cerebral and Cardiovascular Center, Suita)

Chairperson : Fausto J. Pinto (Lisbon School of Medicine-Universidade de Lisboa, Portugal)

Discussant : Tetsuya Matoba (Department of Cardiovascular Medicine, Kyushu University, Fukuoka)

Discussant : Mariko Yano (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

FRS1-1 Keynote Lecture

Role of Inflammation in the Pathophysiology of Acute Myocardial Infarction: Efficacy and Safety of Low-Dose Colchicine 706

Fausto J. Pinto (Lisbon School of Medicine-Universidade de Lisboa, Portugal)

FRS1-2 Increased Soluble Programed Cell Death Ligand-1 is Associated with Acute Coronary Syndrome 707

Koichiro Fujisue (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)

FRS1-3 Two-year Clinical Outcomes of Patients Treated with Beta-blockers after Acute Myocardial Infarction 708

Seung-Jae Joo (Jeju National University Hospital, Korea)

FRS1-4 Baseline Thrombocytopenia in Patients with Acute Coronary Syndrome: Is Dual-antiplatelet Therapy Feasible? 709

Chieh-Ju Chao (Mayo Clinic Arizona, USA)

FRS1-5 A Novel Risk Score for Predicting In-hospital Mortality in Patients with Acute Myocardial Infarction 710

Yuhei Goriki (Miyazaki Medical Association Hospital, Miyazaki)

Featured Research Session 2

Arrhythmia 1

9:00-17:00

Chairperson : Minoru Horie (Center for Epidemiologic Research in Asia, Shiga University of Medical Science, Otsu)

Chairperson : Masatoshi Yamazaki (Medical Device Development and Regulation Research Center, The University of Tokyo, Tokyo)

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

FRS2-1 Keynote Lecture

Cardiac Sympathetic Denervation in the Prevention of Life-threatening Arrhythmias 711

Peter J. Schwartz (Istituto Auxologico Italiano IRCCS, Italy)

FRS2-2 Copy Number Variation of SCN5A in Sick Sinus Syndrome 712

Keiko Sonoda (Department of Bioscience and Genetics, National Cerebral and Cardiovascular Center, Suita)

FRS2-3 Impact of Functional Studies on Exome Sequence Variant Interpretation in Early-onset Cardiac Conduction System Diseases 713

Kenshi Hayashi (Department of Cardiovascular Medicine, Kanazawa University Graduate School of Medical Sciences, Kanazawa)

FRS2-4 Severe Phenotype in RYR2 Variant Carriers with Idiopathic Primary Arrhythmia Syndromes 714

Megumi Fukuyama (Department of Cardiology, Shiga University School of Medicine, Otsu)

FRS2-5 Minute but Continuous Systemic Inflammation is Associated with Major Bleeding Risk in Non-valvular Atrial Fibrillation Treated with Direct Oral Anticoagulants 715

Yuma Hamanaka (Department of Cardiology, Osaka Police Hospital, Osaka)

Featured Research Session 3

Biomarker/Risk Factor

9:00-17:00

Chairperson : Hiroshi Yoshida (Department of Laboratory Medicine, The Jikei University Kashiwa Hospital, Tokyo)

Chairperson : Takahiro Horie (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Discussant : Moritake Iguchi (Department of Cardiology, Kyoto Medical Center, Kyoto)

Discussant : Hiromitsu Kanamori (Department of Cardiology, Gifu University Graduate School of Medicine, Gifu)

FRS3-1 Keynote Lecture

What can We Learn from Imaging and Genetic Biomarkers of Atrial Fibrillation 716

Barbara Casadei (University of Oxford, UK)

FRS3-2 GDF-15 as a Predictor of Total Mortality in Prediabetic Patients with Suspected or Known Coronary Artery Disease: The ANOX Study 717

Hiromichi Wada (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto)

FRS3-3 Reduced Change in Heart Rate between the Upright and Supine Positions Indicates Cardiac Overload in Patients with Cardiovascular Risk Factor 718

Yusuke Oba (Division of Cardiovascular Medicine, Department of Internal Medicine, Jichi Medical University School of Medicine, Tochigi)

FRS3-4 Prognostic Value of VEGF-D in Patients with Heart Failure and Suspected or Known Coronary Artery Disease: The ANOX Study 719

Moritake Iguchi (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)

FRS3-5 Circulating Long Non-coding RNA H19 as a Novel Biomarker for Right Ventricular Failure Associated with Pulmonary Arterial Hypertension 720

Junichi Omura (Pulmonary Hypertension and Vascular Biology Research Group of Quebec Heart and Lung Institute, Laval University, Canada)

Featured Research Session 4

Arrhythmia 2

9:00-17:00

Chairperson : Morio Shoda (Clinical Research Division for Heart Rhythm Management, Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Chairperson : Shih-An Chen (Taipei Veterans General Hospital, National Yang Ming University, Taiwan)

Discussant : Yasushi Mukai (Cardiology, Fukuoka Red-Cross Hospital, Fukuoka)

Discussant : Takashi Yamada (Takaishi-fujii Cardiovascular Hospital, Takaishi)

FRS4-1	Keynote Lecture Pearls and Pitfalls of High Density Mapping in Catheter Ablation of Cardiac Arrhythmias	721
	Shih-An Chen (Taipei Veterans General Hospital, Taiwan)	
FRS4-2	Enclosure Strategy for Non-pulmonary Vein Trigger with a High-density Grid Catheter in Patients with Atrial Fibrillation	722
	Rena Nakamura (Department of Cardiology, Japan Red Cross Yokohama City Bay Hospital, Yokohama)	
FRS4-3	Ripple Map Guided Atrial Delayed Potential Ablation for Patients with Persistent Atrial Fibrillation	723
	Yosuke Nakatani (Second Department of Internal Medicine, University of Toyama, Toyama)	
FRS4-4	Volume Reduction of Left Atrial Epicardial Adipose Tissue after Hot-balloon Based Wide Antral Ablation in Patients with Persistent Atrial Fibrillation	724
	Naoki Nishiyama (Department of Cardiology, Dokkyo Medical University Saitama Medical Center, Saitama)	
FRS4-5	Predictors of Lead Break in Transvenous Lead Extraction	725
	Junji Morita (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)	

Featured Research Session 5 Heart Failure/Cardiomyopathy

9:00-17:00

Chairperson : Motoaki Sano (Department of Cardiology, Keio University School of Medicine, Tokyo)
 Chairperson : James F. Martin (Baylor College of Medicine and Texas Heart Institute, USA)
 Discussant : Yusuke Ebana (Department of Medical Genetics, Tokyo Medical and Dental University Hospital, Tokyo)

FRS5-1	Keynote Lecture Hippo-signaling in Heart Regeneration	726
	James F. Martin (Baylor College of Medicine, USA)	
FRS5-2	Application of Proteomics Profiling for Biomarker Discovery in Hypertrophic Cardiomyopathy	727
	Yuichi J. Shimada (Columbia University Medical Center, USA)	
FRS5-3	Long Intergenic Noncoding RNA, <i>Lionheart</i> , Regulates Heart Size and Contributes to the Protection from Pressure Overload Induced Heart Failure	728
	Shuhei Tsuji (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
FRS5-4	Stabilization of CaMKII-phosphorylated RyR2 Mediated through Pharmacological Enhancement of Calmodulin Binding to RyR2 Prevents the Development of Cardiac Dysfunction	729
	Yoko Shimizu (Department of Medicine and Clinical Science, Division of Cardiology, Yamaguchi University Graduate School of Medicine, Ube)	
FRS5-5	Loss of Rho Effector mDia1 Attenuates Pressure Overload-Induced Hypertrophic Responses and Exacerbates Dysfunction	730
	Ichitaro Abe (Department of Cardiology and Clinical Examination, Oita University Faculty of Medicine, Yufu)	

Featured Research Session 6 Congenital Heart Disease

9:00-17:00

Chairperson : Yasumasa Tsukamoto (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

FRS6-1	Keynote Lecture Congenital Heart Disease Research	731
	Shiro Baba (Department of Pediatrics, Kyoto University, Kyoto)	
FRS6-2	Incidence, Predictors, and Mortality of Liver Cancer in Patients after Fontan Operation	732
	Hideo Ohuchi (Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center, Suita)	
FRS6-3	Interventricular Dyssynchrony Relates to Low Cardiac Output via Ventricular Interaction in Patients with Repaired Tetralogy of Fallot: Analysis Using Feature-tracking	733
	Naomi Nakazawa (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)	
FRS6-4	Withdrawn	734
FRS6-5	Withdrawn	735

Featured Research Session 7

Vascular Biology

9:00-17:00

Chairperson : Susumu Minamisawa (The Jikei University, Cell Physiology, Tokyo)
 Chairperson : Peter Libby (Brigham and Women's Hospital/Harvard Medical School, USA)
 Discussant : Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Hospital, Kyoto)
 Discussant : Naoto Sasaki (Laboratory of Medical Pharmaceutics, Kobe Pharmaceutical University, Kobe)

- FRS7-1 **Keynote Lecture**
Cardiovascular Complications of COVID-19 736
 Peter Libby (Brigham and Women's Hospital and Harvard Medical School, USA)
- FRS7-2 **Novel Mechanism for the Protective Effect of RhoA in Vascular Smooth Muscle Cells on Abdominal Aortic Aneurysm** 737
 Md Rasel Molla (Division of Molecular Medical Biochemistry, Shiga University of Medical Science, Otsu)
- FRS7-3 **Abdominal Aortic Aneurysm Formation is Suppressed by Heterozygous Transferrin Receptor 1 Deletion in Mice** 738
 Seiki Yasumura (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)
- FRS7-4 **High Salt and IL-17A Cooperatively Worsens Aortic Dissection in Mice** 739
 Norifumi Nishida (Department of Internal Medicine, Division of Cardio-Vascular Medicine, Kurume University School of Medicine, Kurume)
- FRS7-5 **The Role of Fak, a Mechanosensitive Kinase, Promotes Aortic Dissection in Mice** 740
 Ryohei Majima (Division of Cardiovascular Medicine, Department of Internal Medicine, Kurume University School of Medicine, Fukuoka)

Featured Research Session 8

CT/MRI

9:00-17:00

Chairperson : Shuichiro Kaji (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
 Chairperson : Robert J. Gropler (Mallinckrodt Institute of Radiology, Washington University School of Medicine, USA)
 Discussant : Rine Nakanishi (Department of Cardiovascular Medicine, Toho University Graduate School of Medicine, Tokyo)
 Discussant : Masae Uehara (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)

- FRS8-1 **Keynote Lecture**
Where Does CMR Fit in Management of the Patient with Cardiac Amyloidosis? 741
 Robert J. Gropler (Washington University School of Medicine, USA)
- FRS8-2 **Histopathological Characterization of High-Intensity Signals in Coronary Plaques on Noncontrast T1-Weighted Magnetic Resonance Imaging** 742
 Kenzo Uzu (Department of Cardiology, Hyogo Brain and Heart Center, Himeji)
- FRS8-3 **Exercise Training Ameliorates Vasodilator Capacity of Coronary Microvessels in Patients with Vasospastic Angina -Exercise VSA Trial-** 743
 Jun Sugisawa (Department of Cardiovascular Medicine, Tohoku University, Sendai)
- FRS8-4 **Utility of Deep Learning of Coronary Computed Tomography Data for Evaluation of Functionally Significant Coronary Artery Stenosis** 744
 Masafumi Sugawara (Department of Cardiology, Eastern Chiba Medical Center, Chiba)
- FRS8-5 **Native T1 Values of Cardiac MRI Effectively Differentiate Fabry Disease from Hypertrophic Cardiomyopathy in Male Patients** 745
 Ikuko Anan (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)

Featured Research Session 9

Infection/Inflammation/Immunity

9:00-17:00

Chairperson : Hiroki Aoki (Cardiovascular Research Institute, Kurume University, Kurume)
 Chairperson : Junichi Sadoshima (Rutgers New Jersey Medical School, USA)
 Discussant : Yuzuru Matsumoto (Kyoto University, Kyoto)
 Discussant : Hideaki Inazumi (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- FRS9-1 **Keynote Lecture**
Autocrine Production of IL-6 Regulated by PPAR α /NF- κ B Heterodimer in Cardiomyocytes Mediates Diastolic Dysfunction in the Heart in Response to High Fat Diet (HFD) Consumption 746
Junichi Sadoshima (Rutgers New Jersey Medical School, USA)
- FRS9-2 **MAIR-II Deficiency Improves Cardiac Remodeling by Suppressing TLR9-mediated Pro-inflammatory Macrophage Activation Post-myocardial Infarction** 747
Saori Yonebayashi (Department of Cardiology, University of Tsukuba, Tsukuba)
- FRS9-3 **MLX Mutation is Associated with Aggravation of Periaortic Brown Adipose Tissue Inflammation-mediated Large Vessel Vasculitis in Mice** 748
Natsuko Tamura (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)
- FRS9-4 **Invasion of a Periodontal Pathogen, *Porphyromonas Gingivalis*, in Myocardium Causes Dysregulation of Autophagic Machinery through Abrogating Functions of VAMP8** 749
Yuka Shiheido-Watanabe (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)
- FRS9-5 **Maternal High-fat Diet Promotes the Abdominal Aortic Aneurysm Expansion in Adult Offspring by Skewing of Macrophage Differentiation toward Osteoclast-like Macrophages** 750
Makoto Saburi (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)

Featured Research Session 10

Coronary Circulation

9:00-17:00

Chairperson : Kazushige Kadota (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
Chairperson : Hirotohi Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Erika Yamamoto (Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Masaki Awata (Mombetsu General Hospital, Mombetsu)

- FRS10-1 **Keynote Lecture**
Current Status of Left Main PCI 751
Kazushige Kadota (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- FRS10-2 **Comparison of Chronic Phase Vascular Healing Detected by Optical Coherence Tomography between Bioabsorbable and Durable Polymer Drug Eluting Stents** 752
Yosuke Yamakami (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)
- FRS10-3 **Using Artificial Intelligence in Predicting Short and Long Term Risk of Ischemic Stroke in Patients Undergoing Percutaneous Coronary Intervention** 753
Chieh-Ju Chao (Mayo Clinic Arizona, USA)
- FRS10-4 **Comparison of 5-Year Outcomes after CABG and PCI for Severe Coronary Artery Disease in Patients with Previous Stroke** 754
Hiroyuki Hara (Japan Red Cross Wakayama Medical Center, Wakayama)
- FRS10-5 **Low-Intensity Pulsed Ultrasound Suppresses Coronary Hyperconstricting Responses and Adventitial Inflammation after Drug-Eluting Stent Implantation in Pigs in Vivo** 755
Tasuku Watanabe (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

Featured Research Session 11

Heart Failure/Preventive Medicine

9:00-17:00

Chairperson : Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Hidenori Yaku (Mitsubishi Kyoto Hospital/Kyoto University, Kyoto)
Discussant : Shuhei Tsuji (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Yasushi Tanaka (Yodogawa Christian Hospital, Osaka)

- FRS11-1 **Keynote Lecture**
Nutrition and heart failure 756
Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- FRS11-2 **Impact of Combined Heart and Lung Transplantation on Chronic Rejection and Long-Term Survival** 757
Takeshi Kitai (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
- FRS11-3 **Seated Postural Hypotension is Associated with Lower Heart Failure Rehospitalization Risk in Old Patients with Heart Failure: Insights from FRAGILE-HF** 758
Tsutomu Sunayama (Department of Cardiology, Juntendo University School of Medicine, Tokyo)

FRS11-4	Serum Lipopolysaccharide-binding Protein Levels and the Incidence of Cardiovascular Disease in a General Japanese Population: The Hisayama Study	759
	Masako Asada (Department of Epidemiology and Public Health, Graduate School of Medical Sciences, Kyushu University, Fukuoka)	
FRS11-5	Withdrawn	760

Featured Research Session 12

Arrhythmia 3

9:00-17:00

Chairperson : Kenzo Hirao (AOI Universal Hospital, Arrhythmia Advanced Therapy Center, Kawasaki)
 Chairperson : Masahiko Goya (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)
 Discussant : Masaomi Kimura (Hirosaki University Graduate School of Medicine, Advanced Management of Cardiac Arrhythmia, Hirosaki)

FRS12-1	Keynote Lecture Recent Advances in Ablation for Atrial Fibrillation	761
	Kenzo Hirao (AOI Universal Hospital, Kawasaki)	
FRS12-2	Pulmonary Vein (PV) Leak Flow Velocity Assessed by Intra-cardiac Echography can Predict Electrical PV Gap in Cryoballoon Catheter Ablation	762
	Atsushi Suzuki (Department of Cardiology, Osaka Saiseikai Nakatsu Hospital, Osaka)	
FRS12-3	Withdrawn	763
FRS12-4	Epicardial Connection during Mitral Isthmus Linear Ablation: New Insights with Ultra-high Resolution Mapping	764
	Seigo Yamashita (Department of Cardiology, The Jikei University School of Medicine, Tokyo)	
FRS12-5	Pulmonary Vein Narrowing after Visually Guided Laserballoon Ablation	765
	Tasuku Yamamoto (Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo)	

Featured Research Session 13

Thromboembolism/Anticoagulant Therapy

9:00-17:00

Chairperson : Takeshi Shirayama (Kyoto Prefectural University of Medicine, Kyoto)
 Chairperson : Gregory Y. H. Lip (Liverpool Centre for Cardiovascular Science at the University of Liverpool, Liverpool Heart & Chest Hospital, UK)
 Discussant : Akihiro Tsuji (National Cerebral and Cardiovascular Center, Suita)

FRS13-1	Keynote Lecture Risk Assessment and Management of Patients with Atrial Fibrillation: Easy as ABC	766
	Gregory Y. H. Lip (University of Liverpool, UK)	
FRS13-2	Optimal Intensity of Warfarin Therapy for Secondary Prevention of Venous Thromboembolism: From the COM-MAND VTE Registry	767
	Seiichi Hiramori (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)	
FRS13-3	Temporal Trends and Clinical Course of Deep Vein Thrombosis in Evacuees Post 2016 Kumamoto Earthquakes	768
	Kenji Sakamoto (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)	
FRS13-4	Gastrointestinal Bleeding of Oral Anticoagulant Therapy among Japanese Patients with Atrial Fibrillation Identified from the SAKURA AF Registry	769
	Nobuhiro Murata (Department of Cardiology, Nihon University Itabashi Hospital, Tokyo)	
FRS13-5	Incidence and Outcome of Surgical Procedures in Patients with Non-valvular Atrial Fibrillation: A Report from DOACs Cohort-3	770
	Akihiro Tokushige (Department of Prevention and Analysis of Cardiovascular Diseases, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)	

Featured Research Session 14 Valvular Heart Disease

9:00-17:00

Chairperson : Naritatsu Saito (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : John D. Carroll (Department of Cardiology, University of Colorado School of Medicine, USA)

- FRS14-1 **Keynote Lecture** 771
John D. Carroll (Department of Cardiology, University of Colorado School of Medicine, USA)
- FRS14-2 **Impact of Persistent Right Ventricular Dysfunction on Outcomes in Patients with Concomitant Tricuspid Regurgitation Undergoing Transcatheter Aortic Valve Implantation** 772
Marjolein De Jongh (Department of Cardiology, Keio University School of Medicine, Tokyo)
- FRS14-3 **Right to Left Shunt through Iatrogenic Atrial Septal Defect after MitraClip Procedure** 773
Takao Morikawa (The Sakakibara Heart Institute of Okayama, Okayama)
- FRS14-4 **Elective Non-cardiac Surgery in Patients with Severe Aortic Stenosis: Observations from the CURRENT AS Registry** 774
Tomohiko Taniguchi (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- FRS14-5 **Reverse Remodeling of the Tricuspid Valve Complex by Restoring Sinus Rhythm after Catheter Ablation: The Serial Assessment Using Three-dimensional CT** 775
Tomofumi Nakatsukuasa (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

チーム医療セッション 特別講演

心不全医療の更なる向上を目指した心不全療養指導士の誕生

9:00-17:00

座長：筒井 裕之（九州大学大学院医学研究院循環器内科学）
座長：眞茅 みゆき（北里大学看護システム学）

- チーム医療 特別講演-1 **心不全療養指導士への期待** 2893
小室 一成（東京大学 循環器内科学）
- チーム医療 特別講演-2 **心不全療養指導士資格の目的と期待される役割** 2894
筒井 裕之（九州大学 循環器内科学）
- チーム医療 特別講演-3 **心不全療養指導士：認定制度について** 2895
眞茅 みゆき（北里大学 看護システム学）
- チーム医療 特別講演-4 **地域の心不全医療からみた心不全療養指導士に求める役割** 2896
衣笠 良治（鳥取大学 病態情報内科学）
- チーム医療 特別講演-5 **医療専門職が目指す心不全療養指導士：管理栄養士の立場から** 2897
宮島 功（社会医療法人 近森会 近森病院 臨床栄養部）

チーム医療セッション 教育講演 1

チームで知って、勝ち取る禁煙

9:00-17:00

座長：長谷部 直幸（旭川医科大学循環・呼吸・神経病態内科学）
座長：眞下 泰（JCHO 札幌北辰病院 ME 部）

- チーム医療 教育講演 1-1 **質の高い情報提供のために「たばこの害」を再確認する** 2898
梅津 努（筑波大学 循環器内科/坂根 M クリニック）
- チーム医療 教育講演 1-2 **よくわかる加熱式タバコ、電子タバコのすべて** 2899
大和 浩（産業医科大学 産業生態科学研究 健康開発科学研究室）
- チーム医療 教育講演 1-3 **よくわかる成功する禁煙支援のすべて** 2900
谷口 千枝（愛知医科大学 看護学部）
- チーム医療 教育講演 1-4 **我が国の受動喫煙対策と改正健康増進法について** 2901
藤下 真奈美（厚生労働省 健康局 健康課）

チーム医療セッション 教育講演 2

慢性心不全の運動と栄養管理の現状と今後

9:00-17:00

座長：前田 知子（榊原記念クリニック検査科）

- チーム医療 教育講演 2-1 慢性心不全の運動療法 -現状と今後- 2902
伊東 春樹 (神原記念病院 循環器内科)
- チーム医療 教育講演 2-2 慢性心不全患者の運動と栄養管理の現状と今後 2903
沖田 孝一 (北翔大学大学院 生涯スポーツ学研究科)

チーム医療セッション 教育講演 3
患者教育・指導に必要な保健行動理論

9:00-17:00

座長：中村 正和 (公益社団法人地域医療振興協会ヘルスプロモーション研究センター)
座長：吉田 俊子 (聖路加国際大学看護学部)

- チーム医療 教育講演 3-1 生活習慣改善のための認知行動療法 その理論と実際 2904
足達 淑子 (あだち健康行動学研究所/医療法人 あだち循環器科内科クリニック)
- チーム医療 教育講演 3-2 禁煙支援における保健行動理論の応用—その理論と実際 2905
中村 正和 (公益社団法人 地域医療振興協会 ヘルスプロモーション研究センター)
- チーム医療 教育講演 3-3 看護師が行なう患者教育の実際—指導ではなく患者の気づきを促す支援— 2906
仲村 直子 (神戸市立医療センター中央市民病院 看護部)
- チーム医療 教育講演 3-4 包括的心臓リハビリテーションにおける患者教育の実際—理学療法士の立場から— 2907
井澤 和夫 (神戸大学 保健学研究科)

チーム医療セッション 教育講演 4
How to Session：演題応募に必要な倫理審査について

9:00-17:00

座長：渡邊 裕司 (浜松医科大学臨床薬理学講座)
座長：瀧原 圭子 (大阪大学キャンパスライフ健康支援センター)

- チーム医療 教育講演 4 演題応募の前に考える研究倫理 2908
植田 真一郎 (琉球大学 臨床薬理学)

チーム医療セッション 教育講演 5
循環器領域で役に立つ画像診断

9:00-17:00

座長：中川 義久 (滋賀医科大学内科学講座循環器内科)
座長：坂本 肇 (順天堂大学保健医療学部診療放射線学科)

- チーム医療 教育講演 5-1 CT における冠動脈および心筋評価の可能性 2909
山口 隆義 (華岡青洲記念病院 放射線技術部)
- チーム医療 教育講演 5-2 MRI における最新の心臓検査技術 2910
吉田 学誉 (財団法人自警会 東京警察病院 放射線科)
- チーム医療 教育講演 5-3 画像診断での冠動脈評価 2911
山地 杏平 (小倉記念病院 循環器内科)
- チーム医療 教育講演 5-4 画像診断での心筋評価 2912
野口 暉夫 (国立循環器病研究センター 心臓血管内科部門 冠疾患科)
- 討論 2913

Topics: Arrhythmia 1

How to Manage Atrial Fibrillation in an Integrated Manner: Easy as ABC

9:00-17:00

Chairperson : Akihiko Shimizu (Ubekosan Central Hospital, Ube)
Chairperson : Hirofumi Tomita (Department of Cardiology, Hirosaki University Graduate School of Medicine, Hirosaki)
Discussant : Gregory Y. H. Lip (Liverpool Centre for Cardiovascular Science at the University of Liverpool, Liverpool Heart & Chest Hospital, UK)
Discussant : Tze-Fan Chao (Taipei Veterans General Hospital, Taiwan)
Discussant : Ken Okumura (Saiseikai Kumamoto Hospital, Kumamoto)
Discussant : Masaharu Akao (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)

Topics: Arrhythmia1-1 1. Avoid Stroke

Avoid Stroke 1223

Gregory Y. H. Lip (Liverpool Centre for Cardiovascular Science at the University of Liverpool, Liverpool Heart & Chest Hospital, UK)

1. Avoid Stroke

Discussion 1224

Topics: Arrhythmia1-2 2. Better Symptom Management: Rate Control

Better Symptom Management: Rate Control 1225

Tze-Fan Chao (Taipei Veterans General Hospital, Taiwan)

2. Better Symptom Management: Rate Control

Discussion 1226

Topics: Arrhythmia1-3 3. Better Symptom Management: Rhythm Control

Better Symptom Management: Rhythm Control 1227

Ken Okumura (Saiseikai Kumamoto Hospital, Kumamoto)

3. Better Symptom Management: Rhythm Control

Discussion 1228

Topics: Arrhythmia1-4 4. Cardiovascular and Comorbidity Risk Management

Cardiovascular and Comorbidity Risk Management 1229

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

4. Cardiovascular and Comorbidity Risk Management

Discussion 1230

Topics: Arrhythmia 3

Recent Advances in Cardiac Implantable Electronic Devices

9:00-17:00

Chairperson : Kenji Ando (Kokura Memorial Hospital, Cardiology Department, Kitakyushu)

Chairperson : Anne B. Curtis (Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, USA)

Discussant : Petr Neuzil (Na Homolce Hospital, Czech Republic)

Discussant : Wei-Jian Huang (Cardiovascular Medicine Department, The First Affiliated Hospital of Wenzhou Medical University, China)

Discussant : Takashi Kurita (Division of Cardiovascular Center, Kindai University, Osakasayama)

Discussant : Morio Shoda (Tokyo Women's Medical University, Department of Cardiology, Tokyo)

Discussant : Michio Nagashima (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

Topics: Arrhythmia3-1 Recent Advances in Leadless Pacemaker 1241

Petr Neuzil (Na Homolce Hospital, Czech Republic)

Topics: Arrhythmia3-2 Recent Advance in His Pacing 1242

Wei-Jian Huang (Cardiovascular Medicine Department, The First Affiliated Hospital of Wenzhou Medical University, China)

Topics: Arrhythmia3-3 Recent Advances in Implantable Cardiac Defibrillator 1243

Takashi Kurita (Division of Cardiovascular Center, Kindai University, Osakasayama)

Topics: Arrhythmia3-4 Recent Advances in Cardiac Resynchronization Therapy 1244

Anne B. Curtis (Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, USA)

Topics: Arrhythmia3-5 Recent Advances in CIEDs Infection and Extraction 1245

Morio Shoda (Tokyo Women's Medical University, Department of Cardiology, Tokyo)

Topics: Arrhythmia 4

Understanding Clinical Arrhythmias from Basic Cardiac Electrophysiology

9:00-17:00

Chairperson : Jong-Kook Lee (Osaka University Graduate School of Medicine, Department of Cardiovascular Regenerative Medicine, Suita)

Chairperson : Andreas Goette (St. Vincenz Hospital Paderborn, Germany)

Discussant : Tetsushi Furukawa (Dept. Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)

Discussant : Takashi Ashihara (Department of Medical Informatics and Biomedical Engineering, Shiga University of Medical Science, Otsu)

Discussant : Ichitaro Abe (Department of Cardiology and Clinical Examination, Oita University, Faculty of Medicine, Yufu)

Topics: Arrhythmia4-1 Keynote Lecture: Cardiac Electrophysiology and Arrhythmias	1246
Andreas Goette (St. Vincenz Hospital Paderborn, Germany)	
Topics: Arrhythmia4-2 Purkinje Fibers and Arrhythmias	1247
Tetsushi Furukawa (Dept. Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)	
Topics: Arrhythmia4-3 Disease Modeling for Atrial Arrhythmias Using Human iPS Cell ~Lessons from Human Anatomy and Pathophysiology	1248
Jong-Kook Lee (Osaka University Graduate School of Medicine, Department of Cardiovascular Regenerative Medicine, Suita)	
Topics: Arrhythmia4-4 The Role of Rotors in Atrial Fibrillation: Insights from ExTRa Mapping	1249
Takashi Ashihara (Department of Medical Informatics and Biomedical Engineering, Shiga University of Medical Science, Otsu)	
Topics: Arrhythmia4-5 Topics: Epicardial fat and Atrial Fibrillation	1250
Ichitaro Abe (Department of Cardiology and Clinical Examination, Oita University, Faculty of Medicine, Yufu)	

Topics: Coronary 7

Registries of Coronary Artery Disease

9:00-17:00

Chairperson : Gaku Nakazawa (Kindai University Hospital, Osaka)
 Chairperson : Hiroki Shiomi (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Yasushi Ueki (Cardiology, Bern University Hospital, Switzerland)
 Discussant : Nobuhiro Ikemura (Department of Cardiology, Keio University School of Medicine, Tokyo)
 Discussant : Noboru Motomura (Department of Cardiovascular Surgery, Toho University Sakura Medical Center, Sakura)
 Discussant : Kyohei Yamaji (Kokura Memorial Hospital Division of Cardiology, Kitakyushu)
 Discussant : Taku Inohara (Division of Cardiology, Vancouver General Hospital, Canada)

Topics: Coronary7-1 Keynote Lecture: Roles and Future Prospects of CAD Registry	1341
Yasushi Ueki (Cardiology, Bern University Hospital, Switzerland)	
Topics: Coronary7-2 Overview of CREDO-Kyoto Registries	1342
Hiroki Shiomi (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Topics: Coronary7-3 Kics Registry	1343
Nobuhiro Ikemura (Department of Cardiology, Keio University School of Medicine, Tokyo)	
Topics: Coronary7-4 CABG Registry in Japan	1344
Noboru Motomura (Department of Cardiovascular Surgery, Toho University Sakura Medical Center, Sakura)	
Topics: Coronary7-5 J-PCI Registry	1345
Kyohei Yamaji (Division of Cardiology, Kokura Memorial Hospital, Kitakyushu)	
Topics: Coronary7-6 Asan Registry	1346
Duk-Woo Park (ASAN Medical Center, Korea)	
Topics: Coronary7-7 CAD Registry in US	1347
Taku Inohara (Division of Cardiology, Vancouver General Hospital, Canada)	

トピックス：心臓外科 2

胸腹部大動脈瘤の外科治療

9:00-17:00

座長：碓氷 章彦（名古屋大学心臓外科学）
 座長：齋木 佳克（東北大学心臓血管外科）
 ディスカッサント：志水 秀行（慶應義塾大学医学部心臓血管外科）
 ディスカッサント：川原田 修義（札幌医科大学心臓血管外科）

トピックス：心臓外科 2-1 腎機能からみた胸腹部大動脈瘤の遠隔予後の検討	1382
岡田 健次（神戸大学心臓血管外科）	
討論	1383
トピックス：心臓外科 2-2 循環器 one team による低侵襲手術	1384
倉谷 徹（大阪大学 低侵襲循環器医療学）	
討論	1385
トピックス：心臓外科 2-3 胸腹部大動脈瘤人工血管置換術	1386
湊谷 謙司（京都大学大学院医学研究科 心臓血管外科）	

討論	1387
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トピックス：心臓外科 3

MICS (低侵襲心臓手術) の tips and pitfalls	9:00-17:00
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座長：小林 順二郎 (国立循環器病研究センター)
 座長：柴田 利彦 (大阪市立大学心臓血管外科)
 ディスカッション：西村 元延 (鳥取大学医学部心臓血管外科)
 ディスカッション：田中 啓之 (久留米大学心臓血管外科)

トピックス：心臓外科 3-1 MICS 僧帽弁手術の pitfalls とその対策	1388
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吉川 泰司 (鳥取大学医学部 心臓血管外科)

討論	1389
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トピックス：心臓外科 3-2 MICS 弁膜症手術における tips and pitfalls	1390
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中村 喜次 (千葉西総合病院心臓血管外科)

討論	1391
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トピックス：心臓外科 3-3 安全に MICS-AVR、MVP を始める為には	1392
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恒吉 裕史 (静岡県立総合病院 心臓血管外科)

討論	1393
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トピックス：救急 6

心臓突然死を減らす：JCS2020 救急啓発検討会企画	9:00-17:00
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座長：佐藤 直樹 (かわぐち心臓呼吸器病院循環器内科)
 座長：石見 拓 (京都大学環境安全保健機構健康科学センター)
 ディスカッション：三田村 秀雄 (国家公務員共済組合連合会立川病院循環器内科)

トピックス：救急 6-1 オーバービュー

Overview: Challenges to Reduce Sudden Cardiac Death	1431
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三田村 秀雄 (国家公務員共済組合連合会立川病院 循環器内科)

トピックス：救急 6-2 Overview of STOP MI Project	1432
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上田 恭敬 (独立行政法人国立病院機構 大阪医療センター循環器内科)

トピックス：救急 6-3 How to Understand the Epidemiology of Sudden Cardiac Death	1433
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北村 哲久 (大阪大学大学院医学系研究科社会環境医学講座)

トピックス：救急 6-4 Screening for Sports-related Sudden Cardiac Arrest	1434
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石津 智子 (筑波大学医学医療系 臨床検査医学)

トピックス：救急 6-5 Overview of J-SPORTSCAR Registry	1435
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真鍋 知宏 (慶應義塾大学スポーツ医学研究センター)

討論	1436
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Topics: Heart Failure 1

New Directions in the Management of HFpEF: ARNI, SGLT-2 Inhibitors, and More	9:00-17:00
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Chairperson : Koji Hasegawa (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto)

Chairperson : Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Topics: Heart Failure1-1 Keynote Lecture	1437
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Felipe Alberto Martinez (Instituto DAMIC - Fundacion Ruscalleda, Argentina)

Topics: Heart Failure1-2 JCS Guidelines Expert Comment	1438
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Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Topics: Heart Failure1-3 HFpEF Etiology Pathophysiology Expert Comment	1439
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Masayuki Shiba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Topics: Heart Failure1-4 Insights from Outcome Studies Using SGLT2 Inhibitors	1440
In-Cheol Kim (Division of Cardiology, Department of Internal Medicine, Cardiovascular Center, Keimyung University Dongsan Hospital, Korea)	
Discussion	1441

Topics: Heart Failure 2	
Diastology in Echocardiography	9:00-17:00

Chairperson : Jae K. Oh (Mayo Clinic, USA)
 Chairperson : Katsuhisa Ishii (Kansai Electric Power Hospital, Department of Cardiology, Osaka)
 Discussant : Masaru Obokata (Department of Cardiovascular Medicine, Gunma University Hospital, Maebashi)
 Discussant : Hiroyuki Iwano (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)
 Discussant : Tadafumi Sugimoto (Department of Clinical Laboratory, Mie University Hospital, Tsu)
 Discussant : Kenya Kusunose (Department of Cardiovascular Medicine, Tokushima University Hospital, Tokushima)

Topics: Heart Failure2-1 Keynote Lecture: New Insight in the Evaluation of Myocardial Diastolic Function	1442
Jae K. Oh (Mayo Clinic, USA)	
Topics: Heart Failure2-2 Diastolic Dysfunction and Heart Failure with Preserved Ejection Fraction	1443
Masaru Obokata (Department of Cardiovascular Medicine, Gunma University Hospital, Maebashi)	
Topics: Heart Failure2-3 Delay of Left Ventricular Longitudinal Expansion with Diastolic Dysfunction	1444
Hiroyuki Iwano (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)	
Topics: Heart Failure2-4 The Role of Left Atrial Functions during Exercise in Patients with Diastolic Heart Failure	1445
Tadafumi Sugimoto (Department of Clinical Laboratory, Mie University Hospital, Tsu)	
Topics: Heart Failure2-5 Pulmonary Hypertension in Heart Failure with Preserved Ejection Fraction	1446
Kenya Kusunose (Department of Cardiovascular Medicine, Tokushima University Hospital, Tokushima)	

トピックス: 心不全 3	
心不全臓器連関の謎を解く	9:00-17:00

座長: 佐藤 幸人 (兵庫県立尼崎総合医療センター)
 座長: 瀬尾 由広 (名古屋市立大学 大学院医学研究科 循環器内科学)
 ディスカッション: 奥村 貴裕 (名古屋大学大学院医学系研究科 循環器内科学)
 ディスカッション: 木田 圭亮 (聖マリアンナ医科大学 薬理学)
 ディスカッション: 川上 利香 (奈良県立医科大学 循環器内科)

Topics: Heart Failure3-1 Cardiorenal Syndrome	1447
瀬尾 由広 (名古屋市立大学 大学院医学研究科 循環器内科学)	
Topics: Heart Failure3-2 Cardiohepatic Interaction	1448
大谷 朋仁 (大阪大学大学院医学系研究科 循環器内科学)	
Topics: Heart Failure3-3 Brain-heart Cross Talk	1449
岸 拓弥 (国際医療福祉大学 大学院医学研究科 (循環器内科分野))	
Topics: Heart Failure3-4 Intestinal Microbiota in HF	1450
山下 智也 (神戸大学 循環器内科)	
Topics: Heart Failure3-5 Skeletal Muscle as a Therapeutic Target	1451
網川 真太郎 (九州大学大学院医学研究科 循環器病病態治療講座)	
Topics: Heart Failure3-6 Temporal and Spatial Analysis of Organ Interaction: A Message from Multi-omics Science	1452
加藤 貴雄 (京都大学大学院医学部医学研究科 循環器内科)	

トピックス: 心不全 4	
心血管疾患における貧血と鉄欠乏	9:00-17:00

座長: 内藤 由朗 (兵庫医科大学 循環器・腎透析内科学)
 座長: 南野 哲男 (香川大学医学部 循環器・腎臓・脳卒中内科学)
 ディスカッション: 沼澤 洋平 (足利赤十字病院 循環器内科)
 ディスカッション: 永井 利幸 (北海道大学大学院医学研究科循環病態内科学教室)
 ディスカッション: 原田 和昌 (東京都健康長寿医療センター循環器内科)

Topics: Heart Failure4-1 Overview: Recent RCTs and Guidelines from ESC, AHA, JCS	1453
長央 和也 (大阪赤十字病院 心臓血管センター)	
Topics: Heart Failure4-2 Iron and Cardiovascular Diseases	1454
内藤 由朗 (兵庫医科大学 循環器・腎透析内科学)	
Topics: Heart Failure4-3 Iron Deficiency in AHF	1455
永井 利幸 (北海道大学大学院医学研究院循環病態内科学教室)	
Topics: Heart Failure4-4 Administration of Low-dose EPO in STEMI	1456
南野 哲男 (香川大学医学部 循環器・腎臓・脳卒中内科学)	
Topics: Heart Failure4-5 Anemia in Aortic Stenosis and Coronary Artery Diseases	1457
長央 和也 (大阪赤十字病院 心臓血管センター)	
Topics: Heart Failure4-6 Acquired von Willebrand Syndrome in Cardiac Disease	1458
田村 俊寛 (天理よろづ相談所病院 循環器内科)	

トピックス: 心不全 5

心不全遠隔モニタリングの新たなストラテジー

9:00-17:00

Chairperson: 西井 伸洋 (岡山大学病院 先端循環器治療学講座)
 Chairperson: 多田 毅 (倉敷中央病院 循環器内科)
 Discussant: 葛西 隆敏 (順天堂大学大学院医学研究科 循環器内科学講座)
 Discussant: 谷口 達典 (大阪大学大学院医学系研究科 循環器内科学)
 Discussant: 山本 絵里香 (京都大学大学院医学研究科 循環器内科学)

Topics: Heart Failure5-1 Overview; What We Need is Monitoring, Not Testing	1459
加藤 真帆人 (うしお病院)	
Topics: Heart Failure5-2 Monitoring Respiratory Instability in HF	1460
迫田 実香 (大阪大学医学部附属病院 心臓血管外科)	
Topics: Heart Failure5-3 Monitoring Congestion in HF	1461
長央 和也 (大阪赤十字病院 心臓血管センター)	
Topics: Heart Failure5-4 Home Telemonitoring for Heart Failure	1462
琴岡 憲彦 (佐賀大学循環器内科・心血管不全治療学講座)	
Topics: Heart Failure5-5 Remote Cardiac Rehabilitation in Heart Failure	1463
谷口 達典 (大阪大学大学院医学系研究科 循環器内科学)	

Topics: Heart Failure 6

Message from Japanese Heart Failure Registry -How should We Change in the Current Practice of HF?- 9:00-17:00

Chairperson: Alexandre Mebazaa (Hôpital Lariboisière University Paris 7, France)
 Chairperson: Naoki Sato (Department of Cardiovascular Medicine, Kawaguchi Cardiovascular and Respiratory Hospital, Kawaguchi)
 Discussant: Shiro Ishihara (Nippon Medical School Musashi-Kosugi Hospital, Tokyo)
 Discussant: Erika Yamamoto (Kyoto University Hospital, Kyoto)
 Discussant: Ryoko Fujita (Hirakatahokosai Hospital, Hirakata)
 Discussant: Takashi Kohno (Kyorin University School of Medicine, Mitaka)

Topics: Heart Failure6-1 Overview	1464
Naoki Sato (Department of Cardiovascular Medicine, Kawaguchi Cardiovascular and Respiratory Hospital, Kawaguchi)	
Topics: Heart Failure6-2 Messages from ATTEND	1465
Naoki Sato (Department of Cardiovascular Medicine, Kawaguchi Cardiovascular and Respiratory Hospital, Kawaguchi)	
Topics: Heart Failure6-3 Messages from WET-HF Registry	1466
Takashi Kohno (Kyorin University School of Medicine, Mitaka)	
Topics: Heart Failure6-4 Messages from REALITY	1467
Yuya Matsue (Department of Cardiovascular Medicine, Juntendo University, Tokyo)	
Topics: Heart Failure6-5 Messages from KCHF	1468
Hidenori Yaku (Mitsubishi Kyoto Hospital/Kyoto University, Kyoto)	
Topics: Heart Failure6-6 Closing Remarks	1469
Alexandre Mebazaa (Hôpital Lariboisière University Paris 7, France)	

- Topics: Heart Failure6-7 Messages from CHART 1470
 Yasuhiko Sakata (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

トピックス: 心不全 7

心不全のマルチモダリティイメージング

9:00-17:00

座長: 中原 健裕 (慶應義塾大学 放射線診断科)
 座長: 渡邊 真 (京都大学 循環器内科)

- Topics: Heart Failure7-1 Multimodality Imaging in Ischemic Cardiomyopathy 1471
 中原 健裕 (慶應義塾大学 放射線診断科)

- Topics: Heart Failure7-2 Multimodality Imaging in Ischemic Cardiomyopathy 1472
 中原 健裕 (慶應義塾大学 放射線診断科)

- Topics: Heart Failure7-3 Multimodality Imaging in Non-ischemic Dilated Cardiomyopathy 1473
 岩野 弘幸 (北海道大学大学院医学研究院 循環病態内科学)

- Topics: Heart Failure7-4 Multimodality Imaging in HCM 1474
 濱谷 康弘 (国立病院機構京都医療センター 循環器内科)

- Topics: Heart Failure7-5 Multimodality Imaging in Cardiac Sarcoidosis 1475
 藤田 修一 (大阪医科大学循環器内科)

トピックス: 心不全 8

ナトリウム利尿ペプチド研究の最前線

9:00-17:00

座長: 中川 靖章 (京都大学大学院医学研究科 循環器内科)
 座長: 錦見 俊雄 (若草竜間リハビリテーション病院)
 ディスカッサント: 名越 智古 (東京慈恵会医科大学 内科学講座 循環器内科)
 ディスカッサント: 原田 栄作 (熊本加齢医学研究所・熊本機能病院 循環器科)
 ディスカッサント: 川上 利香 (奈良県立医科大学 循環器内科)

- Topics: Heart Failure8-1 Clinical Application of Designer Natriuretic Peptide 1476
 市来 智子 (国際医療福祉大学医学部循環器内科)

- Topics: Heart Failure8-2 Three Molecular Forms of Atrial Natriuretic Peptides Significance of proANP in the Evaluation of Acute Decompensated Heart Failure 1477
 高濱 博幸 (国立循環器病研究センター)

- Topics: Heart Failure8-3 Structure of Glycosylation Attached to N-terminal Region of proBNP Importance of Processing of proBNP in Heart Failure 1478
 中川 靖章 (京都大学大学院医学研究科 循環器内科)

- Topics: Heart Failure8-4 How Do You Interpret the Value of BNP or NT-proBNP after ARNI Therapy in Heart Failure Patients ? Lessons from PARADIGM-HF 1479
 錦見 俊雄 (若草竜間リハビリテーション病院)

- Topics: Heart Failure8-5 Significance of Cardiac Natriuretic Peptide Signaling in Cardiac Remodeling 1480
 徳留 健 (国立循環器病研究センター研究所 生化学部)

- Topics: Heart Failure8-6 Effect of Osteocrin: A New Secretary Peptide of Natriuretic Peptide Family on Cardiovascular Disease 1481
 望月 直樹 (国立循環器病研究センター研究所)

トピックス: 心不全 12

SGLT2 阻害薬を深く理解する

9:00-17:00

座長: 桑原 宏一郎 (信州大学医学部循環器内科)
 座長: 佐野 元昭 (慶應義塾大学循環器内科)
 ディスカッサント: 三木 隆幸 (札幌医科大学医学部循環器腎臓内分泌代謝内科学)
 ディスカッサント: 綿田 裕孝 (順天堂大学糖尿病・内分泌内科)
 ディスカッサント: 城所 研吾 (川崎医科大学腎臓・高血圧内科)
 ディスカッサント: 西山 成 (香川大学医学部薬理学)
 ディスカッサント: 佐野 元昭 (慶應義塾大学循環器内科)

- トピックス: 心不全 12-1 循環器内科医の立場から見た SGLT2 阻害薬の意義 1507
 三木 隆幸 (札幌医科大学医学部 循環器腎臓内分泌代謝内科学)

トピックス：心不全 12-2 糖尿病内科医の立場から考える SGLT2 阻害薬の活かし方	1508
綿田 裕孝 (順天堂大学糖尿病・内分泌内科)	
トピックス：心不全 12-3 腎臓内科医の立場から考える SGLT2 阻害薬の意義	1509
城所 研吾 (川崎医科大学腎臓・高血圧内科)	
トピックス：心不全 12-4 SGLT2 阻害阻害薬の腎保護作用のメカニズム	1510
西山 成 (香川大学 医学部 薬理学)	
トピックス：心不全 12-5 SGLT2 阻害阻害薬の心血管保護作用のメカニズム	1511
佐野 元昭 (慶應義塾大学循環器内科)	

Topics: iPS 1

Cardiac Regeneration Therapy Using Pluripotent Stem Cells: A New Paradigm 9:00-17:00

Chairperson : Yuji Shiba (Department of Regenerative Science and Medicine, Shinshu University, Matsumoto)
 Chairperson : Lior Gepstein (Rambam Health Care Center. Faculty of Medicine, Technion Israel Institute of Technology, Israel)
 Discussant : Takuji Kawamura (Osaka University, Department of Cardiovascular Surgery, Suita)
 Discussant : Jun Fujita (Department of Cardiology, Keio University School of Medicine, Tokyo)
 Discussant : Hidetoshi Masumoto (Clinical Translational Research Program, RIKEN Center for Biosystems Dynamics Research, Yokohama)
 Discussant : Yoshinori Yoshida (Center for iPS Cell Research and Application, Kyoto University, Kyoto)

Topics: iPS1-1 Over View	1528
Lior Gepstein (Rambam Health Care Center. Faculty of Medicine, Technion Israel Institute of Technology, Israel)	
Topics: iPS1-2 Cardiac Sheet Therapy for Heart Failure Patients	1529
Takuji Kawamura (Department of Cardiovascular Surgery, Osaka University, Suita)	
Topics: iPS1-3 Development of Cardiac Regenerative Therapy Using Cardiomyocyte Ball	1530
Jun Fujita (Department of Cardiology, Keio University School of Medicine, Tokyo)	
Topics: iPS1-4 Monkey Model-based Development of Cardiomyocyte Regeneration Therapy	1531
Yuji Shiba (Department of Regenerative Science and Medicine, Shinshu University, Matsumoto)	
Topics: iPS1-5 Heart Failure Treatment Using Engineered 3D Cardiac Sheets	1532
Hidetoshi Masumoto (Clinical Translational Research Program, RIKEN Center for Biosystems Dynamics Research, Yokohama)	
Topics: iPS1-6 Development of Cardiac Regeneration Using Highly Engraftable Cardiomyocytes	1533
Yoshinori Yoshida (Center for iPS Cell Research and Application, Kyoto University, Kyoto)	

Topics: iPS 2

Modelling Cardiovascular Disease with Human iPS Cells: Current Status and Future Prospects 9:00-17:00

Chairperson : Jean-Sebastian Hulot (Paris Cardiovascular Research Center (PARCC), France)
 Chairperson : Yoshinori Yoshida (Center for iPS Cell Research and Application, Kyoto University, Kyoto)
 Discussant : Shuichi Higo (Department of Medical Therapeutics for Heart Failure, Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
 Discussant : Shinsuke Yuasa (Department of Cardiology, Keio University School of Medicine, Tokyo)
 Discussant : Seitaro Nomura (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)
 Discussant : Lior Gepstein (Rambam Health Care Center. Faculty of Medicine, Technion Israel Institute of Technology, Israel)

Topics: iPS2-1 Over View	1534
Jean-Sebastian Hulot (Paris Cardiovascular Research Center (PARCC), France)	
Topics: iPS2-2 Risk Stratification of Drug-induced LQTS Using iPSCs	1535
Jean-Sebastian Hulot (Paris Cardiovascular Research Center (PARCC), France)	
Topics: iPS2-3 Drug Discovery for Cardiomyopathies Using Disease-specific iPSCs	1536
Shuichi Higo (Department of Medical Therapeutics for Heart Failure, Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)	
Topics: iPS2-4 Application of AI Technology for iPSC-based Disease Modeling and Drug Discovery	1537
Shinsuke Yuasa (Department of Cardiology, Keio University School of Medicine, Tokyo)	
Topics: iPS2-5 Disease Modeling of Dilated Cardiomyopathy -Application of iPSC and Single-cell Omics Technology	1538
Seitaro Nomura (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)	

- Topics: iPS2-6 iPSC-based Modeling of Cardiac Arrhythmias Using Genetic Encoded Voltage Indicators 1539
 Lior Gepstein (Rambam Health Care Center, Faculty of Medicine, Technion Israel Institute of Technology, Israel)

Topics: Prevention

- Optimal Management of Patients with Diabetes from the Standpoint of Cardiologists 9:00-17:00

Chairperson : Masafumi Kitakaze (National Cerebral and Cardiovascular Center, Suita)
 Chairperson : Yoshihiro Fukumoto (Cardiovascular Medicine, Kurume University School of Medicine, Kurume)
 Discussant : Darren K. McGuire (University of Texas Southwestern Medical Center, USA)
 Discussant : Akira Nishiyama (Department of Pharmacology, Faculty of Medicine, Kagawa University, Takamatsu)
 Discussant : Atsushi Tanaka (Department of Cardiovascular Medicine, Saga University, Saga)

- Topics: Prevention-1 “Diabetic cardiomyopathy” -Is It a Myth? 1551
 Yasuko K. Bando (Department of Cardiology, Nagoya University, Nagoya)

- Topics: Prevention-2 Platelet Hyperactivity in Diabetes Mellitus -Are Platelets “stickier” ? 1552
 Shinya Goto (Department of Cardiovascular Medicine, Tokai University Graduate School of Medicine, Tokyo)

- Topics: Prevention-3 Five Things That Cardiologists should Know about Diabetes 1553
 Junko Sato (Department of Diabetes, Juntendo University School of Medicine, Endocrinology and Metabolism, Tokyo)

- Topics: Prevention-4 Do We Need Different Strategy for Patients with Diabetes and HFpEF? 1554
 Eri Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- Topics: Prevention-5 The Role of Glucose Lowering Therapies in Patients without Diabetes 1555
 Darren K. McGuire (University of Texas Southwestern Medical Center, USA)

トピックス：予防 2

- 「高血圧概念」の見直しと再整理 9:00-17:00

座長：桑島 巖（臨床研究適正評価教育機構）
 座長：富山 博史（東京医科大学循環器内科）
 ディスカッション：甲斐 久史（久留米大学医療センター循環器内科）
 ディスカッション：石上 友章（横浜市立大学医学部循環器腎臓高血圧内科学）
 ディスカッション：石川 譲治（東京都健康長寿医療センター循環器科内科）

- トピックス：予防 2-1 Jカーブ仮説 1559
 甲斐 久史（久留米大学医療センター循環器内科）

- トピックス：予防 2-2 レニン・アンジオテンシンと臓器障害 1560
 石上 友章（横浜市立大学医学部 循環器腎臓高血圧内科学）

- トピックス：予防 2-3 高血圧と認知症 1561
 石川 譲治（東京都健康長寿医療センター循環器科内科）

- トピックス：予防 2-4 高齢者高血圧論争と血圧日内変動 1562
 桑島 巖（臨床研究適正評価教育機構）

トピックス：小児心臓 2

- 小児期重症心不全治療の最前線～機械的補助と心臓移植～ 9:00-17:00

座長：先崎 秀明（北里大学小児循環器集中治療学）
 座長：小野 稔（東京大学心臓外科）
 ディスカッション：小垣 滋豊（大阪急性期・総合医療センター小児科新生児科）
 ディスカッション：成田 淳（大阪大学大学院医学系研究科小児科学）
 ディスカッション：鈴木 孝明（埼玉医科大学国際医療センター小児心臓外科）

- トピックス：小児心臓 2-1 小児における機械的循環補助の現状と展望 1576
 市川 肇（国立循環器病研究センター病院小児心臓外科）

- 討論 1577

- トピックス：小児心臓 2-2 我が国の小児心臓移植の現状と課題 1578
 福嶋 教偉（国立循環器病研究センター病院移植医療部）

- 討論 1579

トピックス：小児心臓 3

周産期の循環動態と周産期心筋症

9:00-17:00

座長：植田 初江（国立循環器病研究センター病院病理部）
 座長：吉村 道博（東京慈恵会医科大学内科学講座循環器内科）
 ディスカッション：井上 優子（国立循環器病研究センター心臓血管内科）
 ディスカッション：二井 理文（三重大学産婦人科）

トピックス：小児心臓 3-1 基調講演 周産期心筋症の早期診断検査と診断ガイドライン 1580

神谷 千津子（国立循環器病研究センター 産婦人科）

討論 1581

トピックス：小児心臓 3-2 周産期の循環動態とバイオマーカー 1582

木村 祐樹（名古屋大学循環器内科）

討論 1583

トピックス：小児心臓 3-3 産婦人科医の立場から循環器内科医へ望むこと 1584

吉松 淳（国立循環器病研究センター病院産婦人科部）

討論 1585

トピックス：小児心臓 5

未治療の成人先天性心疾患 Eisenmenger 症候群の今後 ACHD-PAH

9:00-17:00

座長：三谷 義英（三重大学大学院医学系研究科小児科学）
 座長：八尾 厚史（東京大学保健・健康推進本部）
 ディスカッション：相馬 桂（東京大学医学部附属病院循環器内科コンピュータ画像診断学/予防医学講座）
 ディスカッション：板谷 慶一（京都府立医科大学心臓血管外科心臓血管血流解析学講座）
 ディスカッション：田邊 信宏（千葉県済生会習志野病院）

トピックス：小児心臓 5-1 成人先天性心疾患に合併する肺高血圧 1592

土井 庄三郎（国立病院機構災害医療センター、東京医科歯科大学）

討論 1593

トピックス：小児心臓 5-2 ACHD-PAH の治療例の実際 効果判定と pitfall 1594

木下 秀之（京都大学大学院医学研究科 地域医療システム学講座）

討論 1595

トピックス：小児心臓 5-3 Treat & Repair の適応と長期予後 1596

赤木 禎治（岡山大学 循環器内科）

討論 1597

トピックス：小児心臓 7

学校心臓検診を活かす：小児突然死予防に果たす役割

9:00-17:00

座長：住友 直方（埼玉医科大学国際医療センター小児心臓科）
 座長：中川 幹子（大分大学医学部医学教育センター）
 ディスカッション：吉永 正夫（鹿児島医療センター小児科）
 ディスカッション：青木 寿明（大阪母子医療センター小児循環器科）
 ディスカッション：廣野 恵一（富山大学医学部小児科）
 ディスカッション：牛ノ濱 大也（大濠こどもクリニック）

トピックス：小児心臓 7-1 学校心臓検診の歴史と将来展望 1604

吉永 正夫（鹿児島医療センター小児科）

トピックス：小児心臓 7-2 不整脈（QT 延長症候群等） 1605

青木 寿明（大阪母子医療センター小児循環器科）

トピックス：小児心臓 7-3 心筋症 1606

廣野 恵一（富山大学医学部小児科）

トピックス：小児心臓 7-4 ケーススタディー、ピットフォール	1607
牛ノ濱 大也 (大濠こどもクリニック)	
討論	1608

トピックス：小児心臓 8

成人先天性心疾患の画像評価

9:00-17:00

座長：白石 公 (国立循環器病研究センター)
 ディスカッサント：岩永 史郎 (埼玉医科大学国際医療センター心臓内科)
 ディスカッサント：坂崎 尚徳 (兵庫県立尼崎総合医療センター小児循環器内科)

トピックス：小児心臓 8-1 State of art 成人先天性心疾患の CT、MRI	1609
長尾 充展 (東京女子医科大学 画像診断・核医学講座)	
討論	1610
トピックス：小児心臓 8-2 成人期川崎病と冠動脈 CT	1611
鮎沢 衛 (日本大学医学部附属板橋病院小児科)	
討論	1612
トピックス：小児心臓 8-3 成人先天性心疾患の血行動態評価と治療戦略決定における MRI 血流解析の役割	1613
板谷 慶一 (京都府立医科大学 心臓血管外科 心臓血管血流解析学講座)	
討論	1614

Topics: Pulmonary Hypertension

Recent Advances in the Management of Pulmonary Hypertension

9:00-17:00

Chairperson : Jean-Luc Vachieri (Brussels University Clinics - Erasmus Hospital, Belgium)
 Chairperson : Keiko Takihara (Health and Counseling Center, Osaka University, Suita)
 Discussant : Takeshi Ogo (National Cerebral and Cardiovascular Center, Suita)
 Discussant : Takahisa Kondo (Nagoya University Graduate School of Medicine, Department of Advanced Medicine in Cardiopulmonary Disease, Nagoya)
 Discussant : Kazufumi Nakamura (Department of Cardiovascular Medicine, Okayama University, Okayama)

Topics: Pulmonary Hypertension-1 Progress and Problems in the Management of PAH	1615
Jean-Luc Vachieri (Brussels University Clinics - Erasmus Hospital, Belgium)	
Topics: Pulmonary Hypertension-2 Recent Advances in PAH Therapy from Japanese PH Registry Data	1616
Yuichi Tamura (Department of Cardiology, International University of Health and Welfare School of Medicine/Pulmonary Hypertension Center, International University of Health and Welfare Mita Hospital, Tokyo)	
Topics: Pulmonary Hypertension-3 Pulmonary Hypertension with lung Disease	1617
Nobuhiro Tanabe (Chibaken Saiseikai Narashino Hospital, Narashino)	
Topics: Pulmonary Hypertension-4 Recent Advances in Diagnosis and Management of Pulmonary Veno-occlusive Disease/Pulmonary Capillary Hemangiomatosis	1618
Aiko Ogawa (Division of Molecular and Cellular Medicine, Department of Clinical Science, National Hospital Organization Okayama Medical Center, Okayama)	
Topics: Pulmonary Hypertension-5 Vasoreactivity and Stress Test in PAH	1619
Takeshi Ogo (National Cerebral and Cardiovascular Center, Suita)	
Topics: Pulmonary Hypertension-6 Genetic Testing in Pulmonary Arterial Hypertension	1620
Takahiro Hiraide (Department of Cardiology, Keio University School of Medicine, Tokyo)	

Topics: SHD 5

Registries of Aortic Stenosis

9:00-17:00

Chairperson : John D. Carroll (Department of Cardiology, University of Colorado School of Medicine, USA)
 Chairperson : Kentaro Hayashida (Department of Cardiology, Keio University School of Medicine, Tokyo)
 Discussant : Tatsuhiko Komiya (Cardiac Surgery, Kurashiki Central Hospital, Kurashiki)
 Discussant : Yusuke Watanabe (Teikyo University School of Medicine, Department of Cardiology, Tokyo)
 Discussant : Yasuaki Takeji (Kyoto University Graduate School of Medicine, Kyoto)

Topics: SHD5-1 Overview of Current AS Registry-1 and-2	1662
Tomohiko Taniguchi (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)	
Topics: SHD5-2 Ocean TAVI Registry	1663
Kentaro Hayashida (Department of Cardiology, Keio University School of Medicine, Tokyo)	
Topics: SHD5-3 J-TVT Registry	1664
Tatsuhiko Komiya (Cardiac Surgery, Kurashiki Central Hospital, Kurashiki)	
Topics: SHD5-4 K-TAVI Registry	1665
Yasuaki Takeji (Kyoto University Graduate School of Medicine, Kyoto)	
Topics: SHD5-5 STS-TVT Registry	1666
John D. Carroll (Department of Cardiology, University of Colorado School of Medicine, USA)	

循環器関連領域の話題 3

起立不耐症 up-to-date

9:00-17:00

座長：三羽 邦久（ミワ内科クリニック）
 座長：高瀬 凡平（防衛医科大学校集中医療部）
 ディスカッション：水牧 功一（アルペン室谷クリニック）
 ディスカッション：山崎 文靖（高知大学医学部検査部）

循環器関連領域の話題 3-1 開会の辞	1712
三羽 邦久（ミワ内科クリニック）	
循環器関連領域の話題 3-2 基調講演（オーバービュー）	1713
佐藤 恭子（東京女子医科大学東医療センター）	
循環器関連領域の話題 3-3 起立不耐症・起立性調節障害の実態調査から	1714
石井 智子（POTS and Dysautonomia Japan、起立不耐症研究会）	
循環器関連領域の話題 3-4 起立不耐症と反射性失神の診療と臨床研究	1715
住吉 正孝（順天堂大学医学部附属練馬病院 循環器内科）	
循環器関連領域の話題 3-5 最新の知見とパラダイムシフト、特に慢性疲労症候群患者について	1716
三羽 邦久（ミワ内科クリニック）	
討論	1717

循環器関連領域の話題 5

AI 技術をどのように循環器診療に役立たせるか（PART 1）

9:00-17:00

座長：山地 杏平（小倉記念病院循環器内科）
 座長：梶谷 泰彦（京都大学大学院医学研究科循環器内科学）

循環器関連領域の話題 5-1 医療における AI の実際と可能性（総論）	1731
奥野 恭史（京都大学大学院医学研究科 ビッグデータ医科学）	
循環器関連領域の話題 5-2 AI に関してどのような教育が必要か	1732
内野 詠一郎（京都大学大学院医学研究科 医療情報 AI システム学講座）	
循環器関連領域の話題 5-3 大学生時代に AI 技術を学ぶことは可能か	1733
岩崎 絢子（京都大学医学部）	
循環器関連領域の話題 5-4 AI 技術を持った一般企業と、病院とが連携した取り組みのなかで、エンジニアは医療を理解できるのか？	1734
甲木 晶枝（GE ヘルスケア・ジャパン株式会社 研究開発部）	
循環器関連領域の話題 5-5 AI 技術の開発に医師はどう関わっていくべきか	1735
加地 修一郎（神戸市立医療センター中央市民病院 循環器内科）	
循環器関連領域の話題 5-6 AI を応用した技術の実臨床活用を目指し、企業はどのような準備をしているか	1736
桐山 瑠子（株式会社 MICIN）	
循環器関連領域の話題 5-7 AI を応用した医療機器の承認審査は、何か特殊なのか？	1737
加藤 健太郎（独立行政法人医薬品医療機器総合機構（PMDA））	

循環器関連領域の話題 6

AI 技術をどのように循環器診療に役立たせるか (PART 2)

9:00-17:00

座長：黒田 知宏（京都大学医学部附属病院）
 座長：山地 杏平（小倉記念病院循環器内科）
 座長：梶谷 泰彦（京都大学大学院医学研究科循環器内科学）
 ディスカッション：奥野 恭史（京都大学大学院医学研究科ビッグデータ医科学）
 ディスカッション：内野 詠一郎（京都大学大学院医学研究科医療情報 AI システム学講座）
 ディスカッション：岩崎 絢子（京都大学医学部）
 ディスカッション：加地 修一郎（神戸市立医療センター中央市民病院循環器内科）
 ディスカッション：桐山 瑤子（株式会社 MICIN）
 ディスカッション：加藤 健太郎（独立行政法人医薬品医療機器総合機構（PMDA））

循環器関連領域の話題 6-1 医療従事者、AI 技術者、どちらも知らなければならない倫理的配慮 1738

黒田 知宏（京都大学医学部附属病院）

循環器関連領域の話題 6-2 Section 1. 我々の病院データは、AI 技術を適用可能か？

我々の病院データは、AI 技術を適用可能か？ 1739

渡邊 雄介（帝京大学 循環器内科）

循環器関連領域の話題 6-3 Section 1. 我々の病院データは、AI 技術を適用可能か？

AI 技術の利用とリスク 1740

山崎 祥光（弁護士法人御堂筋法律事務所）

Section 1. 我々の病院データは、AI 技術を適用可能か？

討論：技術者の視点から、AI 技術を適用するうえで足りないこと 1741

循環器関連領域の話題 6-4 Section 2. 我々の AI 技術は、循環器診療に役立つのか？

我々の AI 技術は、循環器診療に役立つのか？ 1742

藤原 幸一（名古屋大学大学院工学研究科物質プロセス工学専攻）

循環器関連領域の話題 6-5 Section 2. 我々の AI 技術は、循環器診療に役立つのか？

AI 画像診断支援技術を医療現場で活用するためには～大動脈瘤診断における AI 活用の検討～ 1743

岡田 崇（株式会社 NTT データ）

Section 2. 我々の AI 技術は、循環器診療に役立つのか？

討論：病院のニーズはどこにあるのか？ AI 技術者に不足しがちな視点は 1744

AI 技術をどのように循環器診療に役立たせるか

討論 1745

循環器関連領域の話題 7

女性医師増加時代、人口減少時代、循環器界の未来は？

9:00-17:00

座長：中川 義久（滋賀医科大学内科学講座循環器内科）
 座長：金井 恵理（天理医療大学医療学部医療教育研究センター）

循環器関連領域の話題 7-1 オープニング

男女別医師数、人口構造の現状と将来展望 1746

金井 恵理（天理医療大学医療学部 医療教育研究センター）

循環器関連領域の話題 7-2 女性学の現状と将来展望—20 年後、女性の役割はどうなる？— 1747

江原 由美子（横浜国立大学都市イノベーション研究院）

循環器関連領域の話題 7-3 「働き方改革法案」と医療—男性医師はどうすべきか— 1748

松本 吉郎（公益社団法人 日本医師会）

循環器関連領域の話題 7-4 循環器科に女性医師がいて助かること、困ること 1749

猪子 森明（北野病院 心臓センター 循環器内科）

循環器関連領域の話題 7-5 今のワークライフバランスについて内科医が思うこと—20 代から 100 才までの男女 400 名医師のアンケートから— 1750

山野 倫代（京都府立医科大学大学院医学研究科 循環器内科学）

循環器関連領域の話題 7-6 今、米国で女性循環器医はこうやっている 1751

ベック 裕子（University of Buffalo, USA）

討論 1752

Oral Case Presentations 1

Oral Case Presentations: Medical Students

9:00-17:00

Chairperson : Mitsuru Ohishi (Department of Cardiovascular Medicine and Hypertension, Kagoshima University, Kagoshima)
 Chairperson : Naohiko Takahashi (Department of Cardiology and Clinical Examination, Oita University, Yufu)

- Oral Case Presentations1-1 A Case of Low-flow Low-gradient AS with Cardiac Amyloidosis** 2286
 Kotaro Haruna (Kyoto University School of Medicine, Kyoto)
- Discussants :** 2287
 Discussant : Takao Kato (Kyoto University, Kyoto)
 Discussant : Jun Koyama (Maruko Central Hospital, Ueda)
- Oral Case Presentations1-2 Three Cases of Cardiac Amyloidosis** 2288
 Masato Hayashi (Kyoto University Faculty of Medicine, Kyoto)
- Discussants :** 2289
 Discussant : Masayuki Shiba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Shuhei Tsuji (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- Oral Case Presentations1-3 A Case of Cardiac Sarcoidosis in Which Serial Follow-up of FDG-PET was Useful for Steroid Therapy** 2290
 Ayano Honda (Kyoto University, Kyoto)
- Discussants :** 2291
 Discussant : Takahiro Horie (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Hiroshi Ohira (First Department of Medicine, Hokkaido University, Sapporo)
- Oral Case Presentations1-4 “An imprisoned heart” Arrested by Pillory of Calcified Ring Surrounding Both Ventricles: An Extremely Rare Case of Constrictive Pericarditis** 2292
 Akihiro Oe (Kobe University, Kobe)
- Discussants :** 2293
 Discussant : Kensuke Matsumoto (Kobe University Graduate School of Medicine, Department of Internal Medicine, Division of Cardiovascular Medicine, Kobe)
 Discussant : Kenichi Sakakura (Saitama Medical Center, Jichi Medical University, Saitama)
- Oral Case Presentations1-5 MitraClip can be a Good Option to Treat Uncontrollable Heart Failure with Functional Mitral Regurgitation: A Case Report** 2294
 Aoi Omori (Kyoto University, Kyoto)
- Discussants :** 2295
 Discussant : Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Hospital, Kyoto)
 Discussant : Yuhei Yamaji (Kitano Hospital, Osaka)
- Oral Case Presentations1-6 Right Heart Valves Repair in an Adult Patient with Severe Pulmonary and Tricuspid Regurgitation after Repair of Congenital Anomalous of LMT Origin** 2296
 Hiroko Hashimoto (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
- Discussants :** 2297
 Discussant : Masao Takigami (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)
 Discussant : Shiro Baba (Department of Pediatrics, Kyoto University Hospital, Kyoto)
- Oral Case Presentations1-7 A Case of Unstable Angina Pectoris Associated with Essential Thrombocythemia in a Young Female** 2298
 Mai Yamazoe (Kyoto Prefectural University of Medicine, Kyoto)
- Discussants :** 2299
 Discussant : Naohiko Nakanishi (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
 Discussant : Masayuki Fuki (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Oral Case Presentations 2

Oral Case Presentations: Resident Physicians-1

9:00-17:00

Chairperson : Yusuke Ohya (Department of Cardiovascular Medicine, Nephrology and Neurology, University of the Ryukyus, Graduate School of Medicine, Okinawa)

Chairperson : Yuichiro Maekawa (Internal Medicine III, Hamamatsu University School of Medicine, Hamamatsu)

Oral Case Presentations2-1 Severe Heart Failure with Hypertrophic Heart Due to Systemic Amyloidosis Diagnosed by Autopsy 2300

Junichi Noiri (Yodogawa Christian Hospital, Department of Cardiology, Osaka)

Discussants : 2301

Discussant : Daisuke Matsumoto (Yodogawa Christian Hospital, Osaka)

Discussant : Yasuhiro Izumiya (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)

Oral Case Presentations2-2 A Case of Severe Aortic Stenosis Complicated with ATTR Cardiac Amyloidosis 2302

Ryoji Ishimura (Kyoto University Hospital, Kyoto)

Discussants : 2303

Discussant : Yukiko Nakano (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Discussant : Yasuhiro Izumiya (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)

Oral Case Presentations2-3 A Case of Immune-Mediated Necrotizing Myopathy with Secondary Cardiomyopathy Suffered for the Diagnosis 2304

Takumi Tamura (Seirei Mikatahara General Hospital, The Department of Cardiology, Hamamatsu)

Discussants : 2305

Discussant : Keisuke Miyajima (Seirei Mikatahara General Hospital, the Department of Cardiology, Hamamatsu)

Discussant : Shintaro Matsuda (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Oral Case Presentations2-4 A Case of Idiopathic Left Ventricular Tachycardia Complicated with Arrhythmia-Induced Cardiomyopathy 2306

Yuji Kurata (Iwakuni Clinical Center, Iwakuni)

Discussants : 2307

Discussant : Mitsutaka Nakashima (Iwakuni Clinical Center, Iwakuni)

Discussant : Koji Hanazawa (Japanese Red Cross Society Wakayama Medical Center, Wakayama)

Oral Case Presentations2-5 Coronary Artery Occlusion after Bipolar Radiofrequency Catheter Ablation for Ventricular Tachycardia Originated from Ventricular Septum in the Patient with Hypertrophic Cardiomyopathy 2308

Yukiya Honda (University of Tsukuba Hospital, Department of Cardiology, Tsukuba)

Discussants : 2309

Discussant : Miyako Igarashi (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

Discussant : Yasuhiro Sasaki (Department of Cardiology, Kobe City Medical Center General Hospital, Kobe)

Oral Case Presentations2-6 Unusual Location of Accessory Pathway in an Adult with Permanent Junctional Reciprocating Tachycardia 2310

Jorge Fernandez (University at Buffalo, Division of Cardiovascular Medicine, Department of Medicine, USA)

Discussants : 2311

Discussant : Moritoshi Funasako (Na Homolce Hospital, Czech)

Oral Case Presentations 3

Oral Case Presentations: Resident Physicians-2

9:00-17:00

Chairperson : Satoaki Matoba (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)

Chairperson : Osamu Yamaguchi (Department of Cardiology, Pulmonology, Hypertension & Nephrology, Ehime University Graduate School of Medicine, Matsuyama)

Oral Case Presentations3-1 A Case of Congestive Heart Failure and Disseminated Intravascular Coagulation Syndrome (DIC) Complicated by Simultaneous Left Ventricular Thrombus and Venous Thromboembolism 2312

Kintarou Shimano (Kitami Red Cross Hospital, Kitami)

Discussants : 2313

Discussant : Ryoichi Katsuyama (Kitami Red Cross Hospital, Kitami)

Discussant : Eiki Takimoto (The University of Tokyo, Department of Cardiovascular Medicine, Tokyo)

Oral Case Presentations3-2 A Case of Kawasaki Disease with Acute Myocarditis in a Late Teenager	2314
張 峻模 (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)	
Discussants :	2315
Discussant : Masato Shimizu (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)	
Discussant : Mamoru Ayusawa (Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo)	
Oral Case Presentations3-3 A Case of Peripartum Cardiomyopathy Successfully Treated with Multidisciplinary Therapy Combined with Bromocriptine	2316
Yuri Imura (Keio University Hospital School of Medicine, Tokyo)	
Discussants :	2317
Discussant : Yusuke Kobari (Keio University Hospital School of Medicine, Tokyo)	
Discussant : Chizuko Kamiya (National Cerebral and Cardiovascular Center, Suita)	
Oral Case Presentations3-4 A Case of Cor Triatriatum Associated with Multiple Organ Failure Due to Pneumonia	2318
Mizuki Tsutaya (Kitami Red Cross Hospital Cardiovascular Medicine, Kitami)	
Discussants :	2319
Discussant : Ryoichi Katsuyama (Kitami Red Cross Hospital, Kitami)	
Discussant : Masayuki Fuki (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Oral Case Presentations3-5 A Case of Cardiac Tamponade Physiology Caused by Tense Ascites	2320
Tetsuyuki Sugai (JA Toyama Kouseiren Takaoka Hospital, Takaoka)	
Discussants :	2321
Discussant : Masaya Higashi (Kouseiren Takaoka Hospital, Takaoka)	
Discussant : Shinichi Iwata (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)	
Oral Case Presentations3-6 A Rare and Underdiagnosed Cause of Unexplained Heart Block	2322
Jorge Fernandez (University at Buffalo, Division of Cardiovascular Medicine, Department of Medicine, USA)	
Discussants :	2323
Discussant : Kentaro Nakai (Uji-Tokushukai Medical Center, Heart Center, Heart Rhythm Division, Uji)	
Oral Case Presentations 4	
Oral Case Presentations: Resident Physicians-3	9:00-17:00
Chairperson : Kazuaki Tanabe (The 4th Department of Internal Medicine, Shimane University Faculty of Medicine, Matsue)	
Chairperson : Shin Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Oral Case Presentations4-1 Successful Cardiac Rehabilitation for Hypotension Patient after Percutaneous Mitral Valve Repair with MitraClip System	
A Case of Septic Shock with Cardiac Dysfunction	2324
Kazuki Muramatsu (Clinical Training Center, St. Marianna University School of Medicine, Kawasaki)	
Discussants :	2325
Discussant : Shunichi Doi (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)	
Discussant : Hiromi Yamamoto (Division of Cardiology, Department of Medicine, Faculty of Medicine, Kindai University, Osaka)	
Oral Case Presentations4-2 Discrepancy of Pressure Gradient Measurements between Doppler Echocardiography and Cardiac Catheterization in a 41-year-old Man with Aortic Stenosis Due to Congenital Bicuspid Aortic Valve -Can Surgical Treatment of Aortic Valve be Beneficial for the Patient?-	2326
Arisa Abe (Department of Cardiology, Pulmonology, Hypertension and Nephrology, Ehime University Graduate School of Medicine, Toon)	
Discussants :	2327
Discussant : Jun Aono (Department of Cardiology, Ehime University School of Medicine, Toon)	
Discussant : Toshihiro Tamura (Department of Cardiology, Tenri Hospital, Tenri)	
Oral Case Presentations4-3 Which is Better, Primary Surgery or Staged Surgery? -Heart Failure Due to Ischemia and Aortic Regurgitation	2328
Yuki Onoda (Seirei Hamamatsu General Hospital, Hamamatsu)	

Discussants :	2329
Discussant : Hideki Saito (The Department of Cardiology, Seirei Hamamatsu General Hospital, Hamamatsu)	
Discussant : Hideo Kanemitsu (Department of Cardiovascular Surgery, Kyoto University Graduate School of Medicine, Kyoto)	
Oral Case Presentations4-4 A Case of MitraClip Implantation for Severe Mitral Regurgitation Provoked by Handgrip Stress Echocardiography	2330
Mina Yamashita (Clinical Training Center of the Ehime Prefectural Central Hospital, Matsuyama)	
Discussants :	2331
Discussant : Hideki Okayama (Cardiovascular Center, Ehime Prefectural Central Hospital, Matsuyama)	
Discussant : Yoko Miyasaka (Cardiovascular Division, Kansai Medical University, Hirakata)	
Oral Case Presentations4-5 Angina Pectoris with Both Coronary Artery Stenosis and Fistula	2332
Yukihiro Uehara (Nagoya Tokusyukai General Hospital, Kasugai)	
Discussants :	2333
Discussant : Shingo Yoshioka (Nagoya Tokusyukai General Hospital, Kasugai)	
Discussant : Nobuhiro Tanaka (Department of Cardiology, Tokyo Medical University Hachioji Medical Center, Tokyo)	
Oral Case Presentations4-6 A Case of Dressler's Syndrome Treated by Acetaminophen and Colchicine	2334
Fumika Nomoto (Department of Cardiovascular Medicine, Minaminagano Medical Center Shinonoi General Hospital, Nagano, Japan)	
Discussants :	2335
Discussant : Sho Suzuki (Minaminagano Medical Center, Shinonoi General Hospital, Nagano)	
Discussant : Ko Yamamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Oral Case Presentations 5	
Oral Case Presentations: Resident Physicians-4	9:00-17:00
Chairperson : Kenichi Tsujita (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)	
Chairperson : Hiroyuki Watanabe (Dept. of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)	
Oral Case Presentations5-1 Rupture of Tuberculous Thoracic and Abdominal Aortic Aneurysm after Intravesical Instillations of BCG Therapy	2336
Takuya Inoue (Hikone Municipal Hospital, Hikone)	
Discussants :	2337
Discussant : Akira Nakano (Hikone Municipal Hospital, Department of Cardiovascular Medicine, Hikone)	
Discussant : Hiroyuki Kamiya (Asahikawa Medical University, Department of Cardiac Surgery, Asahikawa)	
Oral Case Presentations5-2 Ruptured Acute Type A Aortic Dissection with Congenital Pericardial Defect	2338
Takahiro Imamura (Division of Cardiology, JCHO Tokyo Shinjuku Medical Center, Tokyo)	
Discussants :	2339
Discussant : Sen Yachi (Division of Cardiology, JCHO Tokyo Shinjuku Medical Center, Tokyo)	
Discussant : Shoichi Miyamoto (Division of Cardiology, Kyoritsu Hospital, Kyowakai, Kawanishi)	
Oral Case Presentations5-3 Concomitant Tumor Embolism from Bladder Cancer Mimicking Pulmonary Thromboembolism and Straddling the Patent Foramen Ovale	2340
Masamitsu Kamakura (Seirei Mikatahara General Hospital, Hamamatsu)	
Discussants :	2341
Discussant : Ayako Okazaki (Seirei Mikatahara General Hospital, Hamamatsu)	
Discussant : Daihiko Hakuno (Department of Cardiology, Kawasaki Municipal Hospital, Kawasaki)	
Oral Case Presentations5-4 A Case of Massive Acute Pulmonary Embolism That Resulted in Cardiopulmonary Arrest at the Day after Cesarean Section and Survived by Intensive Combined Therapy	2342
Shin Takayama (Iwakuni Clinical Center Junior Resident, Iwakuni)	
Discussants :	2343
Discussant : Mitsutaka Nakashima (Iwakuni Clinical Center, Iwakuni)	
Discussant : Maki Oi (Department of Cardiovascular Medicine, Otsu Red Cross Hospital Japan, Otsu)	
Oral Case Presentations5-5 A Case of PE/DVT in a Young Caucasian Male	2344
Daiki Tomidokoro (Division of Cardiovascular Medicine, National Center for Global Health and Medicine, Tokyo)	

Discussants :	2345
Discussant : Hiromasa Hayama (Department of Cardiology, Center Hospital of the National Center for Global Health and Medicine, Tokyo)	
Discussant : Hitoshi Minamiguchi (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)	
Discussant : Takeshi Ogo (National Cerebral and Cardiovascular Center, Suita)	

学生・初期研修医へのレクチャー 循環器内科へのいざない

9:00-17:00

座長：平田 健一（神戸大学大学院医学研究科循環器内科学分野）

学生・初期研修医へのレクチャー-1 循環器内科へのいざない-1	2346
中川 義久（滋賀医科大学 内科学講座 循環器内科）	
学生・初期研修医へのレクチャー-2 循環器内科へのいざない-2	2347
香坂 俊（慶應義塾大学医学部循環器内科）	
学生・初期研修医へのレクチャー-3 循環器内科へのいざない-3	2348
小菅 雅美（横浜市立大学附属市民医療センター 心臓血管センター内科）	

Clinical Research 3

High Impact Clinical Research

9:00-17:00

Chairperson : Yoshihisa Nakagawa (Department of Internal Medicine, Division of Cardiovascular Medicine, Shiga University of Medical Science, Otsu)
 Chairperson : Mamoru Toyofuku (Japanese Red Cross Wakayama Medical Center, Wakayama)
 Discussant : Mitsuru Abe (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
 Discussant : Kentaro Hayashida (Department of Cardiology, Keio University School of Medicine, Tokyo)
 Discussant : Kyohei Yamaji (Kokura Memorial Hospital, Division of Cardiology, Kitakyushu)
 Discussant : Hiroyuki Hara (Division of Cardiovascular Surgery, Japan Red Cross Society Wakayama Medical Center, Wakayama)

Clinical Research3-1 Age and Clinical Outcomes in Patients with Severe Aortic Stenosis: From the CURRENT AS Registry	2394
Tomohiko Taniguchi (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)	
Clinical Research3-2 Impact of Body Weight on Clinical Outcomes after PCI: From the CREDO-Kyoto Registry	2395
Ko Yamamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Clinical Research3-3 Application of the High Bleeding Risk Criteria Modified for Japanese Patients in an All-comers Registry of Percutaneous Coronary Intervention: From the CREDO-Kyoto Registry Cohort-3	2396
Masahiro Natsuaki (Department of Cardiovascular Medicine, Saga University, Saga)	
Clinical Research3-4 Very Short DAPT in Patients Who Underwent Complex PCI: From the STOPDAPT-2	2397
Hiroto Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Clinical Research3-5 Clinical Outcome after Surgical Aortic Valve Replacement in Low-Surgical Risk-Japanese Patients with Severe Aortic Stenosis: From the CURRENT AS Registry	2398
Yasuaki Takeji (Kyoto University Graduate School of Medicine, Kyoto)	

世界に広がる日本発の医療機器

Meet the Legend : PTMC 開発の歴史と世界への普及を知る

9:00-17:00

座長：小田 弘隆（新潟市民病院循環器内科）
 ディスカッサント：高山 守正（榊原記念病院循環器内科）
 ディスカッサント：齋藤 滋（湘南鎌倉総合病院心臓センター循環器内科）
 ディスカッサント：山口 徹（虎の門病院）
 ディスカッサント：齋藤 成達（京都大学大学院医学研究科循環器内科）

世界に広がる日本発の医療機器-1 PTMC 開発の歴史と世界への普及	2399
井上 寛治（PTMC 研究所）	
世界に広がる日本発の医療機器-2 井上先生へのメッセージ（ビデオレター from Bangladesh, Kenya, USA, etc）	2400
齋藤 成達（京都大学大学院医学研究科 循環器内科）	

世界に広がる日本発の医療機器 対談 “イノウエバルーン、構想から実現に至るまで” 2401

Discuss with Experts

Discuss with Experts in Heart Failure: From Guidelines to Translational Outlook 9:00-17:00

Chairperson : Takeshi Kitai (神戸市立医療センター中央市民病院循環器内科)

Discussant : Yasuhiko Sakata (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

Discussant : Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Discuss with Experts Cutting Edge of HF Studies 2446

Wai Hong Wilson Tang (Heart and Vascular Institute, Cleveland Clinic, USA)

Basic 1

Drug Discovery and Design to Conquer Cardiovascular Disease 9:00-17:00

Chairperson : Motohiro Nishida (Natural Institutes of Natural Sciences, Okazaki/Kyushu University, Fukuoka)

Chairperson : Susumu Minamisawa (The Jikei University, Cell Physiology, Tokyo)

Discussant : Rei Shibata (Department of Advanced Cardiovascular Therapeutics, Nagoya University, Nagoya)

Basic1-1 Drug Repositioning Targeting Protein-protein Interactions 2408

Motohiro Nishida (Natural Institutes of Natural Sciences, Okazaki/Kyushu University, Fukuoka)

Basic1-2 Chemical Screening 2409

Norifumi Takeda (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)

Basic1-3 Myocardial Infarction 2410

Yuya Ide (Department of Cardiovascular Medicine, Kyoto University Hospital/Preemptive Medicine and Lifestyle-Related Disease Research Center, Kyoto University Hospital, Kyoto)

Basic1-4 Cardiomyopathy 2411

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

Basic 3

Genomic Medicine Update 9:00-17:00

Chairperson : Tetsushi Furukawa (Dept. Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)

Chairperson : Masaki Ieda (Tsukuba University, Tsukuba)

Discussant : Yasuhiro Nakashima (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Discussant : Satoshi Koyama (RIKEN Center for Integrative Medical Sciences, Yokohama)

Basic3-1 Genomic Medicine in Heart Disease 2416

Tetsushi Furukawa (Dept. Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)

Basic3-2 Database Analysis in Genomic Medicine 2417

Satoshi Koyama (RIKEN Center for Integrative Medical Sciences, Yokohama)

Basic3-3 Genomic Research in Arrhythmia 2418

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

Basic3-4 Genomic Research in Coronary Artery Disease 2419

Kaoru Ito (Laboratory for Cardiovascular Genomics and Informatics, RIKEN Center for Integrative Medical Sciences, Yokohama)

Basic 4

Multifaceted Mitochondria 9:00-17:00

Chairperson : Satoaki Matoba (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)

Chairperson : Osamu Yamaguchi (Department of Cardiology, Pulmonology, Hypertension & Nephrology, Ehime University Graduate School of Medicine, Toon)

Discussant : Motoaki Sano (Department of Cardiology, Keio University School of Medicine, Tokyo)

Discussant : Atsushi Hoshino (Kyoto Prefectural University of Medicine, Kyoto)

Basic4-1	Mitochondria Dynamics and Diseases	2420
	Naotada Ishihara (Graduate School of Science, Osaka University, Toyonaka)	
Basic4-2	Cardiometabolic Dysregulation in Cardiovascular Disease	2421
	Motoaki Sano (Department of Cardiology, Keio University School of Medicine, Tokyo)	
Basic4-3	Mitochondrial Pathology and Myocardial Disease 「ミトコンドリア心筋症の病理と病態」に沿ったものであれば自由に変更して頂いて構いません。	2422
	Atsuhito Takeda (Hokkaido University Hospital Division of Child Maternal and Female medicine)	
Basic4-4	Mitochondrial Dysfunction, Mitophagy and Heart Failure	2423
	Satoaki Matoba (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)	
Basic4-5	Investigation of Drug Delivery System Targeting Mitochondria	2424
	Yuma Yamada (Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo)	

Basic 6

Genome Editing: CRISPR, Stem Cells, and Beyond

9:00-17:00

Chairperson : Atsushi Nakano (Dept. Molecular Cell Developmental Biology, UCLA, USA)
 Chairperson : Yuji Shiba (Department of Regenerative Science and Medicine, Shinshu University, Matsumoto)
 Discussant : Yuichiro Arima (Kumamoto University, Kumamoto)
 Discussant : Maretoshi Hirai (Kansai Medical University, Department of Pharmacology, Hirakata)

Basic6-1	Genome Editing in Vivo	2430
	Keiichi Suzuki (Institute for Advanced Co-Creation Studies, Osaka University, Suita)	
Basic6-2	Targeted Disruption of HLA Genes for Clinical Application of iPSCs	2431
	Yoshinori Yoshida (Center for iPS Cell Research and Application, Kyoto University, Kyoto)	
Basic6-3	New CRISPR Technology for Genome Editing	2432
	Tomoji Mashimo (Division of Animal Genetics, Laboratory Animal Research Center, Institute of Medical Science, The University of Tokyo, Tokyo)	
Basic6-4	Clinical Application of Genome Editing	2433
	Yutaka Hanazono (Jichi Medical University Center for Molecular Medicine, Shimotsuke)	

Basic 7

iPSCs: Limitations and Future Challenges

9:00-17:00

Chairperson : Jun Yamashita (Center for iPS Cell Research and Application, Kyoto University, Kyoto)
 Chairperson : Ichiro Manabe (Department of Disease Biology and Molecular Medicine, Chiba University, Chiba)
 Discussant : Masataka Nishiga (Stanford University, Cardiovascular Institute, USA)
 Discussant : Takeshi Hatani (Center for iPS Cell Research and Application, Kyoto University, Kyoto)

Basic7-1	Generation of Myocardial Tissue	2434
	Tatsuya Shimizu (Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, Tokyo)	
Basic7-2	Cardio-Oncology Safety Pharmacology	2435
	Yasunari Kanda (Division of Pharmacology, National Institute of Health Sciences, Kawasaki)	
Basic7-3	Cardiac Arrhythmias	2436
	Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)	
Basic7-4	Cardiac Electrophysiology Using iPSC Cardiomyocytes	2437
	Bjorn C. Knollman (Vanderbilt University Medical Center, USA)	

最新治療を学ぶ 1

冠動脈疾患診療最新の動向

9:00-17:00

座長 : 木村 一雄 (横浜市立大学附属市民総合医療センター心臓血管センター)
 座長 : 石原 正治 (兵庫医科大学循環器・腎透析内科)

最新治療 1-1	慢性冠動脈疾患の診断フローと治療法選択	2515
	中村 正人 (東邦大学医療センター大橋病院 循環器内科)	

最新治療 1-2	複雑病変患者への PCI	2516
	門田 一繁 (倉敷中央病院 心臓病センター 循環器内科)	
最新治療 1-3	複雑病変患者への CABG	2517
	高梨 秀一郎 (川崎幸病院 心臓外科)	
最新治療 1-4	PCI 後の至適抗血栓療法	2518
	尾崎 行男 (藤田医科大学 循環器内科)	
最新治療 1-5	冠動脈疾患患者の至適脂質低下療法	2519
	山口 淳一 (東京女子医科大学心臓病センター 循環器内科)	
最新治療 1-6	急性冠症候群診療のポイント	2520
	吉野 秀朗 (杏林大学 循環器内科/野村病院 内科)	

最新治療を学ぶ 2

大血管、末梢血管疾患診療最新の動向

9:00-17:00

座長：浦澤 一史 (カレスサッポロ時計台記念病院循環器センター)
座長：大北 裕 (高槻病院心臓・大血管センター)

最新治療 2-1	大動脈瘤 解離に対する内科治療の最新の動向	2521
	加地 修一郎 (神戸市立医療センター中央市民病院 循環器内科)	
最新治療 2-2	大動脈ステントグラフト治療の最新の動向	2522
	当麻 正直 (兵庫県立尼崎総合医療センター 循環器内科)	
最新治療 2-3	大動脈外科治療の最新の動向	2523
	湊谷 謙司 (京都大学大学院医学研究科 心臓血管外科学)	
最新治療 2-4	末梢血管疾患 血管内治療の最新の動向	2524
	藤原 昌彦 (岸和田徳洲会病院 循環器内科)	
最新治療 2-5	末梢血管疾患 外科治療の最新の動向	2525
	山岡 輝年 (松山赤十字病院 血管外科)	
最新治療 2-6	重症虚血肢症の最新の動向	2526
	宇都宮 誠 (東邦大学医療センター大橋病院 循環器内科)	

最新治療を学ぶ 3

予防医学、心臓リハビリテーション最新の動向

9:00-17:00

座長：後藤 葉一 (公立八鹿病院)
座長：明石 嘉浩 (聖マリアンナ医科大学循環器内科)

最新治療 3-1	加熱式タバコの善と悪	2527
	長谷川 浩二 (国立病院機構 京都医療センター 展開医療研究部)	
最新治療 3-2	歯周病を介した虚血性心疾患発症のメカニズム	2528
	副島 弘文 (熊本大学 保健センター)	
最新治療 3-3	糖尿病診療：薬物治療偏重・HbA1c 至上主義からの脱却	2529
	安達 仁 (群馬県立心臓血管センター 循環器内科)	
最新治療 3-4	心房細動と心臓リハビリテーション	2530
	白石 裕一 (京都府立医科大学 循環器腎臓内科)	
最新治療 3-5	ゲノム健診サービスによる生活習慣病リスク判定	2531
	寶澤 篤 (東北大学 東北メディカル・メガバンク機構 予防医学・疫学部門 個別化予防・疫学部門)	

最新治療を学ぶ 4

心不全診療最新の動向

9:00-17:00

座長：辻田 賢一 (熊本大学循環器内科学)
座長：泉谷 裕則 (愛媛大学大学院医学系研究科心臓血管・呼吸器外科学)

最新治療 4-1	時間軸を意識した急性心不全の治療	2532
	佐藤 直樹 (かわぐち心臓呼吸器病院 循環器内科)	

最新治療 4-2	心筋症診療ガイドラインを日常診療に活かす	2533
	井手 友美 (九州大学循環器内科)	
最新治療 4-3	安定心不全患者の薬物療法と最新エビデンス	2534
	斎藤 能彦 (奈良県立医科大学循環器内科)	
最新治療 4-4	重症心不全への薬物治療と機械補助	2535
	絹川 弘一郎 (富山大学第二内科)	
最新治療 4-5	心臓移植の最新動向	2536
	黒田 健輔 (国立循環器病研究センター病院移植医療部)	
最新治療 4-6	脳卒中・循環器病対策基本法によって変わる心不全診療	2537
	磯部 光章 (神原記念病院)	

最新治療を学ぶ 5

心筋症診療最新の動向

9:00-17:00

座長：倉林 正彦 (群馬大学循環器内科)
座長：安齊 俊久 (北海道大学大学院医学研究院循環病態内科学教室)

最新治療 5-1	心アミロイドーシス診療の新時代—早期診断、治療開始の重要性—	2538
	高潮 征爾 (熊本大学循環器内科学)	
最新治療 5-2	ファブリー病患者の心病変に対する長期酵素補充療法の効果	2539
	本郷 賢一 (東京慈恵会医科大学 循環器内科)	
最新治療 5-3	心臓サルコイドーシス：診断・治療に関する現状と課題	2540
	矢崎 善一 (佐久総合病院佐久医療センター)	
最新治療 5-4	多施設レジストリーからみる拡張相肥大型心筋症の特徴	2541
	松島 将士 (九州大学病院循環器内科)	
最新治療 5-5	閉塞性肥大型心筋症に対する経皮的な中隔心筋焼灼術 (PTSMA) の実際	2542
	前川 裕一郎 (浜松医科大学内科学第三講座)	
最新治療 5-6	重症心筋症の移植・再生医療に関する最新の知見	2543
	澤 芳樹 (大阪大学 心臓血管・呼吸器外科学)	

最新治療を学ぶ 6

救急医療最新の動向

9:00-17:00

座長：尾崎 行男 (藤田医科大学循環器内科)
座長：諏訪 哲 (順天堂大学医学部附属静岡病院循環器内科)

最新治療 6-1	急性心筋梗塞：最近の診断と治療のあり方	2544
	石原 正治 (兵庫医科大学 循環器・腎透析内科)	
最新治療 6-2	急性大動脈疾患：東京都大動脈スーパーネットワークからみる現状	2545
	吉野 秀朗 (杏林大学 循環器内科/野村病院 内科)	
最新治療 6-3	急性肺塞栓症：診断のポイントと治療選択	2546
	中村 真潮 (陽だまりの丘なかむら内科)	
最新治療 6-4	急性心不全：救急外来での診断と治療のポイント	2547
	田中 秀和 (神戸大学大学院 循環器内科学)	
最新治療 6-5	急性下肢閉塞：下肢救済のゴールデンタイムと至適治療	2548
	浅田 秀典 (京都医療センター 血管外科)	
最新治療 6-6	急性期脳卒中治療：ここまできた Drip、Ship、Retrieve	2549
	坂井 信幸 (神戸市立医療センター中央市民病院 脳神経外科)	

最新治療を学ぶ 7

不整脈診療最新の動向

9:00-17:00

座長：高橋 尚彦 (大分大学循環器内科)
座長：安藤 献児 (小倉記念病院循環器内科)

最新治療 7-1	心房細動：早期発見の重要性とその最新ツール	2550
	小田倉 弘典（土橋内科医院）	
最新治療 7-2	心房細動：進化するカテーテル・アブレーション	2551
	廣島 謙一（小倉記念病院 循環器科）	
最新治療 7-3	心房細動：左心耳閉鎖術（WATCHMAN）の登場	2552
	中島 祥文（岩手医科大学 循環器内科）	
最新治療 7-4	リードレス・ペースメーカー	2553
	高野 誠（聖マリアンナ医科大学 循環器内科）	
最新治療 7-5	ヒス束ペーシングと左脚ペーシング	2554
	藤生 克仁（東京大学 循環器内科）	

最新治療を学ぶ 8

肺高血圧症、静脈血栓症診療最新の動向

9:00-17:00

座長：江本 憲昭（神戸薬科大学臨床薬学研究室）
座長：山田 典一（桑名市総合医療センター循環器内科）

最新治療 8-1	肺高血圧症診断の pitfall	2555
	足立 史郎（名古屋大学）	
最新治療 8-2	肺高血圧症薬物治療最近の進歩	2556
	田原 宣広（久留米大学医学部 内科学講座 心臓・血管内科部門）	
最新治療 8-3	肺高血圧症に対する肺移植術	2557
	大角 明宏（京都大学医学部附属病院 呼吸器外科）	
最新治療 8-4	慢性血栓性肺高血圧症に対する BPA と血栓内膜摘除術	2558
	伊波 巧（杏林大学医学部 循環器内科学教室）	
最新治療 8-5	静脈血栓症の最適な抗凝固療法	2559
	萩原 義人（三重大学）	
最新治療 8-6	静脈血栓症の外来治療	2560
	山下 佑吾（京都大学大学院医学研究科 循環器内科）	

最新治療を学ぶ 9

小児循環器疾患、成人先天性心疾患診療最新の動向

9:00-17:00

座長：安河内 聡（長野県立こども病院循環器センター）

最新治療 9-1	小児循環器診療の最新動向	2561
	土井 拓（天理よろづ相談所病院小児科/先天性心疾患センター）	
最新治療 9-2	成人先天性心疾患診療の最新動向	2562
	稲井 慶（東京女子医科大学 循環器小児・成人先天性心疾患科）	

最新治療を学ぶ 10

心臓血管外科手術最新の動向

9:00-17:00

座長：曾我 欣治（小倉記念病院心臓血管外科）

最新治療 10-1	ロボット心臓外科手術	2563
	渡邊 剛（ニューハート・ワタナベ国際病院 心臓血管外科）	
最新治療 10-2	MICS（低侵襲心臓外科手術）	2564
	坂口 元一（近畿大学 心臓血管外科）	
最新治療 10-3	TEAVR（胸部大動脈瘤に対するステントグラフト治療）	2565
	倉谷 徹（大阪大学 低侵襲循環器医療学）	

最新治療を学ぶ 11 癌と循環器疾患最新の動向

9:00-17:00

座長：佐瀬 一洋（順天堂大学大学院臨床薬理学）
座長：山下 侑吾（京都大学大学院医学研究科循環器内科）

最新治療 11-1 腫瘍循環器とは？	2566
向井 幹夫（大阪国際がんセンター 成人病ドック科）	
最新治療 11-2 我が国での腫瘍循環器診療の実態	2567
大倉 裕二（新潟県立がんセンター新潟病院 腫瘍循環器科）	
最新治療 11-3 抗癌剤心毒性	2568
石田 純一（東京大学大学院医学系研究科循環器内科学）	
最新治療 11-4 がん関連血栓症	2569
山下 侑吾（京都大学大学院医学研究科 循環器内科）	
最新治療 11-5 腫瘍循環器診療における病院・多職種連携	2570
庄司 正昭（国立がん研究センター中央病院 総合内科・循環器内科）	
最新治療 11-6 腫瘍循環器外来の実態	2571
坂本 二郎（天理よろづ相談所病院循環器内科）	

コメディカル 3 循環器内科入院患者におけるせん妄への対応

9:00-17:00

座長：窪田 琢郎（鹿児島大学大学院医歯学総合研究科心臓血管・高血圧内科学）
座長：稲垣 範子（摂南大学看護学部）
ディスカッサント：西村 勝治（東京女子医科大学精神医学講座）
ディスカッサント：布宮 伸（自治医科大学医学部麻酔科学・集中治療医学講座集中治療医学部門）
ディスカッサント：古賀 雄二（川崎医療福祉大学 保健看護学科）
ディスカッサント：玉城 雄也（琉球大学医学部附属病院看護部）

コメディカル 3-1 心臓病とせん妄	2847
西村 勝治（東京女子医科大学 精神医学講座）	
コメディカル 3-2 J-PAD および PADIS からみるせん妄管理	2848
布宮 伸（自治医科大学医学部麻酔科学・集中治療医学講座集中治療医学部門）	
コメディカル 3-3 J-PAD と PADIS から考える看護ケア	2849
古賀 雄二（川崎医療福祉大学 保健看護学科）	
コメディカル 3-4 せん妄を予防するための早期リハビリテーション	2850
玉城 雄也（琉球大学医学部附属病院 看護部）	
討論	2851

コメディカル 4 循環器領域の疾患別の薬剤管理、服薬アドヒアランスを向上させるには

9:00-17:00

座長：芦川 直也（豊橋ハートセンター薬局）
座長：佐古 守人（東住吉森本病院薬剤科）
ディスカッサント：土岐 真路（聖マリアンナ医科大学病院薬剤部）
ディスカッサント：堀内 望（京都桂病院薬剤科）
ディスカッサント：田澤 晃太郎（京都大学医学部附属病院薬剤部）
ディスカッサント：西村 文宏（熊本中央病院薬剤科）

コメディカル 4-1 心不全患者の服薬管理を高めるには	2852
土岐 真路（聖マリアンナ医科大学病院 薬剤部）	
コメディカル 4-2 NOAC 時代の抗凝固療法の薬剤選択と服薬指導	2853
堀内 望（京都桂病院 薬剤科）	
コメディカル 4-3 冠血行再建後の抗血栓療法；狭心症と急性心筋梗塞および服薬指導	2854
田澤 晃太郎（京都大学医学部附属病院 薬剤部）	
コメディカル 4-4 高齢患者に対応した剤形の選択や処方適正化を図る工夫	2855
西村 文宏（熊本中央病院 薬剤科）	
討論	2856

コメディカル 5

心筋虚血を評価する；FFR-CT および Perfusion imaging

9:00-17:00

座長：倉田 聖（愛媛大学大学院医学系研究科放射線医学）
 座長：小泉 幸司（京都大学医学部附属病院放射線部）
 ディスカッサント：真鍋 徳子（自治医科大学総合医学第一講座放射線科）
 ディスカッサント：西山 光（愛媛大学医学部附属病院診療放射線技術部門）
 ディスカッサント：山口 隆義（華岡青洲記念病院）

コメディカル 5-1 Perfusion MRI での機能性評価	2857
真鍋 徳子（自治医科大学総合医学第一講座放射線科）	
コメディカル 5-2 Perfusion CT を用いた心筋の機能性評価	2858
西山 光（愛媛大学医学部附属病院 診療放射線技術部門）	
コメディカル 5-3 心臓 CT での Viability 評価と FFRCT の関連	2859
山口 隆義（華岡青洲記念病院）	
討論	2860

コメディカル 6

高齢社会のベッドコントロール学：2025 年問題を目前として

9:00-17:00

座長：加藤 源太（京都大学医学部附属病院診療報酬センター）
 座長：宇都宮 明美（京都大学大学院医学研究科人間健康科学系専攻）
 ディスカッサント：吉村 健佑（千葉大学医学部附属病院次世代医療構想センター）
 ディスカッサント：加藤 湖月（岡山大学病院高度救命救急センター）
 ディスカッサント：小幡 由美（兵庫医科大学病院看護部 EICC）
 ディスカッサント：門 恵子（京都大学医学部附属病院看護部）
 ディスカッサント：柏倉 剛彦（聖路加国際病院医療社会事業科）

コメディカル 6-1 行政の立場から；病院に求められる在院日数および診療報酬のポイント	2861
吉村 健佑（千葉大学医学部附属病院 次世代医療構想センター）	
コメディカル 6-2 ER の立場から：より広く急患を受け入れるために	2862
加藤 湖月（岡山大学病院 高度救命救急センター）	
コメディカル 6-3 CCU/ICU の立場から：適切な退室基準とはなにか？	2863
小幡 由美（兵庫医科大学病院 看護部 EICC）	
コメディカル 6-4 一般病棟の立場から：予定入院、緊急入院、CCU/ICU からの退室、そして退院困難例への対処	2864
門 恵子（京都大学医学部附属病院 看護部）	
コメディカル 6-5 連携室の立場から：退院困難例への対応、Back bed の確保、転院までの調整	2865
柏倉 剛彦（聖路加国際病院 医療社会事業科）	
討論	2866

コメディカル 7

心臓リハビリテーションの課題および問題点

9:00-17:00

座長：田屋 雅信（東京大学医学部附属病院リハビリテーション部）
 座長：森沢 知之（順天堂大学保健医療学部理学療法学科）
 ディスカッサント：神谷 健太郎（北里大学医療衛生学部リハビリテーション学科）
 ディスカッサント：天尾 理恵（東京大学医学部附属病院リハビリテーション部）
 ディスカッサント：山本 智史（イムス板橋リハビリテーション病院リハビリテーション科）
 ディスカッサント：岩津 弘太郎（枚方公済病院リハビリテーション科）

コメディカル 7-1 心リハの実践の現状	2867
神谷 健太郎（北里大学医療衛生学部リハビリテーション学科）	
コメディカル 7-2 急性期における心リハ 最新治療から高齢患者のエビデンス	2868
天尾 理恵（東京大学医学部附属病院 リハビリテーション部）	
コメディカル 7-3 回復期における心リハ 社会復帰や地域との連携について	2869
山本 智史（イムス板橋リハビリテーション病院 リハビリテーション科）	
コメディカル 7-4 生活期における心リハの役割 二次予防、三次予防について	2870
岩津 弘太郎（枚方公済病院 リハビリテーション科）	

討論	2871
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コメディカル 8 高齢者とフレイル

9:00-17:00

座長：河野 浩章（長崎大学大学院医歯薬学総合研究所循環器内科学）
 座長：多田 昌代（小田原市立病院看護部）
 ディスカッション：宇都宮 明美（京都大学大学院医学研究科人間健康科学系専攻）
 ディスカッション：山岡 綾子（兵庫医科大学病院看護部）
 ディスカッション：桑田 一郎（兵庫医科大学病院看護部）
 ディスカッション：飯田 有輝（厚生連海南病院リハビリテーション科）

コメディカル 8-1 組織的なフレイル予防の取り組み	2872
宇都宮 明美（京都大学大学院医学研究科人間健康科学系専攻）	
コメディカル 8-2 看護師がハブ的役割を担うフレイルスクリーニング	2873
山岡 綾子（兵庫医科大学病院 看護部）	
コメディカル 8-3 フレイル患者に対する嚥下介入	2874
桑田 一郎（兵庫医科大学病院 看護部）	
コメディカル 8-4 フレイル心不全患者へのリハビリテーション指導	2875
飯田 有輝（厚生連海南病院 リハビリテーション科）	
討論	2876

コメディカル 9 院内急変に対する対応

9:00-17:00

座長：勝田 洋輔（福岡大学西新病院循環器内科）
 座長：高田 幸千子（独立行政法人国立病院機構宇多野病院看護部）
 ディスカッション：植村 桜（地方独立行政法人大阪市民病院機構大阪市立総合医療センター看護部）
 ディスカッション：有田 孝（小倉記念病院看護部）
 ディスカッション：戸田 美和子（公益財団法人大原記念倉敷中央医療機構倉敷中央病院看護部）
 ディスカッション：紺原 由美子（市立岸和田市民病院看護部）

コメディカル 9-1 Case 1：急変対応総論	2877
植村 桜（地方独立行政法人 大阪市民病院機構 大阪市立総合医療センター 看護部）	
コメディカル 9-2 Case 2：不整脈による急変	2878
有田 孝（小倉記念病院 看護部）	
コメディカル 9-3 Case 3：低左心機能患者の急変	2879
戸田 美和子（公益財団法人 大原記念倉敷中央医療機構 倉敷中央病院 看護部）	
コメディカル 9-4 Case 4：アナフィラキシーによる急変	2880
紺原 由美子（市立岸和田市民病院 看護部）	

Memorial for John Ross Jr.

John Ross Jr. MD, the Great Scientist and Mentor -His Scientific Contribution in the Development of Cardiology-

9:00-17:00

Chairperson：Shunichi Miyazaki (Saiseikai Tondabayashi Hospital, Tondabayashi)
 Chairperson：Toshiro Miura (Department of General Internal Medicine, Tokuyama Central Hospital, Tokuyama)

Memorial-1 Opening Remark	2402
Toshiro Miura (Department of General Internal Medicine, Tokuyama Central Hospital, Tokuyama)	
Memorial-2 Keynote Lecture: John Ross Jr. MD: A 50 Years Odyssey of Scientific Research	2403
Kirk L. Peterson (University of California, San Diego, School of Medicine, USA)	
Memorial-3 Scientific Contribution 1: Aortic Stenosis and Concept of Afterload Mismatch	2404
Shigetake Sasayama (Kyoto University, Kyoto)	
Memorial-4 Scientific Contribution 2: Basic Understanding for Myocardial Ischemia	2405
Hitonobu Tomoike (NTT Research, Inc. Medical & Health Informatics Laboratories, USA)	

Memorial-5	What Dr. Ross Told Us	2406
	Shunichi Miyazaki (Saiseikai Tondabayashi Hospital, Tondabayashi)	
Memorial-6	Commentary	2407
	Ciro Indolfi (Magna Graecia University, Catanzaro, Italy)	

人生 100 年時代の健康長寿 1

人生 100 年時代の心の健康

9:00-17:00

座長：藤原 久義（兵庫県立尼崎総合医療センター）
座長：木村 剛（京都大学大学院医学研究科循環器内科学）

人生 100 年時代の健康長寿 1-1	人生 100 年時代を迎えて	2453
	藤原 久義（兵庫県立尼崎総合医療センター）	
人生 100 年時代の健康長寿 1-2	脳科学は心の健康について何を教える	2454
	田中 沙織（国際電気通信基礎技術研究所 脳情報通信総合研究所）	
人生 100 年時代の健康長寿 1-3	不老不死時代の人生観の変化	2455
	松山 大耕（妙心寺退蔵院）	
人生 100 年時代の健康長寿 1-4	心の時代に必要なこと	2456
	大西 英玄（成就院 住職）	

人生 100 年時代の健康長寿 2

もっと知ろう！ たばこの健康被害と禁煙のすべて

9:00-17:00

座長：藤原 久義（兵庫県立尼崎総合医療センター）
座長：高橋 裕子（京都大学大学院医学研究科・社会健康医学専攻）

人生 100 年時代の健康長寿 2-1	非喫煙者も見逃せない！—たばこの煙と心臓病の密な関係—	2457
	室原 豊明（名古屋大学大学院医学系研究科 循環器内科）	
人生 100 年時代の健康長寿 2-2	今、流行の加熱式タバコって安全なんですか？	2458
	樺田 尚樹（産業医科大学 産業保健学部 看護学科 産業・地域看護学）	
人生 100 年時代の健康長寿 2-3	保険で出来る、お薬を用いた禁煙外来での治療とは？	2459
	飯田 真美（岐阜県総合医療センター）	
人生 100 年時代の健康長寿 2-4	アプリを用いた ICT 禁煙治療 —デジタル療法・治療用アプリ—	2460
	佐竹 晃太（日本赤十字医療センター 呼吸器内科）	
人生 100 年時代の健康長寿 2-5	新型コロナウイルス感染症の心血管病態と喫煙	2461
	長谷川 浩二（国立病院機構京都医療センター展開医療研究部）	
討論	2462

人生 100 年時代の健康長寿 3

予防として治療としてライフスタイルを変える：早すぎることはない、今からでも遅くない!!

9:00-17:00

座長：木庭 新治（昭和大学医学部内科学講座・循環器内科学部門）
座長：沖田 孝一（北翔大学大学院生涯スポーツ学研究所）
ディスカッサント：長山 雅俊（榊原記念病院総合診療部）
ディスカッサント：梶山 静夫（梶山内科クリニック）
ディスカッサント：上原 吉就（福岡大学スポーツ科学部/福岡大学病院循環器内科）
ディスカッサント：上月 正博（東北大学内部障害学分野）

人生 100 年時代の健康長寿 3-1	ライフスタイルは、変えられない？	2463
	長山 雅俊（榊原記念病院 総合診療部）	
人生 100 年時代の健康長寿 3-2	糖尿病と診断されたら・・・薬を始める？ 食べる順番を変える？	2464
	梶山 静夫（梶山内科クリニック）	
人生 100 年時代の健康長寿 3-3	運動を習慣づけるコツ！	2465
	上原 吉就（福岡大学 スポーツ科学部/福岡大学病院 循環器内科）	
人生 100 年時代の健康長寿 3-4	病は気から・・・心のストレッチ法	2466
	上月 正博（東北大学 内部障害学分野）	

人生 100 年時代の健康長寿 3-5 座長からのメッセージ	2467
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人生 100 年時代の健康長寿 4

健康長寿のための運動について考えよう

9:00-17:00

座長：大宮 一人（島津メディカルクリニック）
 座長：野原 隆司（枚方公済病院）
 ディスカッサント：今井 優（康生会クリニック健康運動指導科）
 ディスカッサント：宇佐美 俊輔（関西電力病院循環器内科）
 ディスカッサント：岩津 弘太郎（枚方公済病院リハビリテーション科）

人生 100 年時代の健康長寿 4-1 セッションの主旨・現状の問題ミニレクチャー	2468
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大宮 一人（島津メディカルクリニック）

人生 100 年時代の健康長寿 4-2 現代人はなぜ運動不足になるのか？ 運動不足がもたらすもの。運動がもたらすもの。	2469
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佐藤 真治（帝京平成大学 健康メディカル学部理学療法学科）

人生 100 年時代の健康長寿 4-3 健康寿命を延ばすための運動とは？	2470
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谷本 道哉（近畿大学 生物理工学部）

人生 100 年時代の健康長寿 4-4 サルコペニアにならないためにはどうする、また、なってしまったらどうする？	2471
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高橋 哲也（順天堂大学 保健医療学部理学療法学科）

人生 100 年時代の健康長寿 4-5 心臓病・糖尿病があるからこそ運動する：どんな運動をどの程度？	2472
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後藤 葉一（公立八鹿病院）

人生 100 年時代の健康長寿 4-6 運動のススメ・Take Home Message	2473
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野原 隆司（枚方公済病院）

人生 100 年時代の健康長寿 5

健康長寿のための睡眠について考えよう

9:00-17:00

座長：麻野井 英次（大阪大学国際医工情報センター慢性心不全総合治療学共同研究部門）
 座長：井澤 英夫（藤田医科大学ばんだね病院循環器内科）

人生 100 年時代の健康長寿 5-1 睡眠と健康～科学的に良い睡眠とは	2474
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白川 修一郎（睡眠評価研究機構）

人生 100 年時代の健康長寿 5-2 循環器疾患と睡眠	2475
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義久 精臣（福島県立医科大学循環器内科学講座 心臓病先進治療学講座）

人生 100 年時代の健康長寿 5-3 マインドフルネスと睡眠	2476
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二宮 朗（慶應義塾大学医学部 精神・神経科学教室）

人生 100 年時代の健康長寿 5-4 これからの睡眠管理	2477
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上野 太郎（サスメド株式会社）

人生 100 年時代の健康長寿 6

若い時にこそ健康長寿を目指そう!!

9:00-17:00

座長：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）
 座長：山下 静也（りんくう総合医療センター）
 ディスカッサント：百村 伸一（さいたま市民医療センター）
 ディスカッサント：朔 啓二郎（福岡大学）
 ディスカッサント：山科 章（東京医科大学医学教育推進センター）
 ディスカッサント：北野 一樹（京都大学医学部附属病院循環器内科）

人生 100 年時代の健康長寿 6-1 若者の正常血圧は？	2478
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三浦 克之（滋賀医科大学 社会医学講座公衆衛生学部門）

人生 100 年時代の健康長寿 6-2 コレステロール生涯負荷を如何に減らす？	2479
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斯波 真理子（国立循環器病研究センター研究所）

人生 100 年時代の健康長寿 6-3 若者の耐糖能異常・糖尿病をどうする？	2480
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益崎 裕章（琉球大学 内分泌代謝・血液・膠原病内科学講座）

人生 100 年時代の健康長寿 6-4 ゲノム解析をリスク層別化にどう生かす？	2481
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小山 智史（理化学研究所 生命医科学研究センター）

人生 100 年時代の健康長寿 6-5 若者の突然死にどう挑む？	2482
池田 隆徳（東邦大学大学院医学研究科 循環器内科学）	

人生 100 年時代の健康長寿 7 健康長寿のための最良の食事とは？	9:00-17:00
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座長：安達 仁（群馬県立心臓血管センター循環器内科）
座長：折口 秀樹（JCHO 九州病院健康診断部）

人生 100 年時代の健康長寿 7-1 セッションの主旨・現状の問題ミニレクチャー	2483
安達 仁（群馬県立心臓血管センター循環器内科）	

人生 100 年時代の健康長寿 7-2 動脈硬化予防と日本食：糖質・脂質・タンパク質のベストバランスとは	2484
丸山 千寿子（日本女子大学 家政学部）	

人生 100 年時代の健康長寿 7-3 動物性タンパク質と植物性タンパク質のどちらを選ぶべきか？—動物性タンパク質推奨	2485
堤 理恵（徳島大学大学院医歯薬学研究部 代謝栄養学分野）	

人生 100 年時代の健康長寿 7-4 動物性タンパク質と植物性タンパク質のどちらを選ぶべきか？—植物性タンパク質推奨（プラントベースホールフード）	2486
鈴木 晴恵（鈴木形成外科）	

人生 100 年時代の健康長寿 7-5 特別講演 動脈硬化予防食としての日本食—地中海食との共通の長所と短所	2487
家森 幸男（武庫川女子大学 国際健康開発研究所）	

討論	2488
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人生 100 年時代の健康長寿 7-6 セッションのまとめ・Take home message	2489
折口 秀樹（JCHO 九州病院健康診断部）	

人生 100 年時代の健康長寿 8 循環器疾患患者における転倒・転落を考える：転んだらただでは済まない！！	9:00-17:00
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座長：荒井 秀典（国立長寿医療研究センター）
座長：吉田 俊子（聖路加国際大学）
ディスカッサント：宇佐美 俊輔（関西電力病院循環器内科）
ディスカッサント：神谷 健太郎（北里大学医療衛生学部リハビリテーション学科）

人生 100 年時代の健康長寿 8-1 1. 転倒・転落により重篤な合併症を来した事例から学ぶこと 症例提示と考察 1	2490
松村 佳苗（神戸市立医療センター中央市民病院）	

人生 100 年時代の健康長寿 8-2 1. 転倒・転落により重篤な合併症を来した事例から学ぶこと 症例提示と考察 2	2491
池田 光（小倉記念病院 看護部）	

人生 100 年時代の健康長寿 8-3 1. 転倒・転落により重篤な合併症を来した事例から学ぶこと 症例提示と考察 3	2492
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）	

1. 転倒・転落により重篤な合併症を来した事例から学ぶこと 討論	2493
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人生 100 年時代の健康長寿 8-4 2. 転倒・転落を予防するためには一身体づくり・環境整備 転倒・転落を予防するための環境整備（病院編）	2494
松村 由美（京都大学医学部附属病院医療安全管理部）	

人生 100 年時代の健康長寿 8-5 2. 転倒・転落を予防するためには一身体づくり・環境整備 転倒・転落を予防するための環境整備（自宅編）	2495
山田 隆人（大阪保健医療大学 保健医療学部 リハビリテーション学科）	

人生 100 年時代の健康長寿 8-6 2. 転倒・転落を予防するためには一身体づくり・環境整備 効果的なトレーニングとは（バランス・筋力・注意力）	2496
青山 朋樹（京都大学医学研究科・医学部 臨床運動器科学研究室）	

2. 転倒・転落を予防するためには—身体づくり・環境整備

討論 2497

まとめ 2498

モーニングセミナー 1

心電図を学ぶ-1 9:00-17:00

座長：藤田 英雄（自治医科大学附属さいたま医療センター循環器内科）

J-モーニング 1 心電図から読む ACS の責任病変 2637

小菅 雅美（横浜市立大学附属市民医療センター 心臓血管センター内科）

モーニングセミナー 2

救急初期対応を学ぶ-1 9:00-17:00

座長：石津 智子（筑波大学医学医療系臨床検査医学）

J-モーニング 2 知っておくと役立つ救急現場でのエコー：EASY screening（ACS、解離、PE のスクリーニングエコー）など 2638

山田 博胤（徳島大学 地域循環器内科学分野）

モーニングセミナー 3

CTO に挑む-1：Antegrade approach 9:00-17:00

座長：安東 治郎（東京大学医学部附属病院循環器内科）

座長：木下 順久（豊橋ハートセンター循環器内科）

J-モーニング 3-1 Antegrade approach のための coronary CT 2639

奥津 匡暁（新東京病院 心臓内科）

J-モーニング 3-2 Antegrade approach のための wire selection 2640

辻 貴史（草津ハートセンター 循環器内科）

J-モーニング 3-3 Antegrade approach のための IVUSguided wiring 2641

田中 裕之（倉敷中央病院 循環器内科）

J-モーニング 3-4 Antegrade approach のための 3D wiring 2642

岡村 篤徳（桜橋渡辺病院 循環器内科）

モーニングセミナー 4

石灰化病変に挑む-1 Cutting/Scoring/Rotablator 9:00-17:00

座長：柴田 剛徳（宮崎市郡医師会病院循環器内科）

J-モーニング 4-1 Cutting/Scoring balloon 2643

福 康志（倉敷中央病院 心臓病センター 循環器内科）

J-モーニング 4-2 Rotablator 2644

栗山 根廣（宮崎市郡医師会病院 循環器内科）

モーニングセミナー 5

心アミロイドーシスを見逃さない 9:00-17:00

座長：猪又 孝元（北里大学北里研究所病院循環器内科）

J-モーニング 5 心エコーから診る心アミロイドーシス 2645

磯谷 彰宏（小倉記念病院 循環器内科）

モーニングセミナー 6 大動脈弁狭窄症を学ぶ

9:00-17:00

座長：田村 俊寛（天理よろづ相談所病院循環器内科）

J-モーニング 6-1 大動脈弁狭窄症について知っておくべきこと 2646

有田 武史（福岡和白病院 循環器内科）

J-モーニング 6-2 Low-flow Low-gradient Severe AS について学ぶ 2647

太田 光彦（虎の門病院 循環器内科）

モーニングセミナー 8

機能的なカテラボはこう作る：Coronary/Peripheral

9:00-17:00

座長：田崎 淳一（京都大学医学部附属病院循環器内科）

座長：蔵満 昭一（小倉記念病院循環器内科）

ディスカッサント：武田 輝規（湖東記念病院循環器内科）

ディスカッサント：伊藤 朋晃（小倉記念病院検査技師部工学課）

J-モーニング 8-1 カテラボの立ち上げから発展 - High volume center での取り組み カテ室のマネジメント 2648

伊藤 朋晃（小倉記念病院 検査技師部工学課）

J-モーニング 8-2 インターベンションフェローの教育 2649

蔵満 昭一（小倉記念病院循環器内科）

J-モーニング 8-3 カテラボ ME 生理検査技師の育成 2650

三浦 千里（湖東記念病院）

モーニングセミナー 10

心不全診療の基本 4：さあ始めよう、心不全栄養管理！

9:00-17:00

座長：和泉 徹（恒仁会新潟南病院）

J-モーニング 10 心不全栄養管理の実践：tips and pitfalls 2651

衣笠 良治（鳥取大学医学部病態情報内科学）

モーニングセミナー 11

心エコーを学ぶ-1

9:00-17:00

座長：出雲 昌樹（聖マリアンナ医科大学循環器内科）

J-モーニング 11 三尖弁閉鎖不全症のエコー評価 2652

泉 知里（国立循環器病研究センター 心臓血管内科部門）

モーニングセミナー 12

ARVC を学ぶ

9:00-17:00

座長：草野 研吾（国立循環器病研究センター心臓血管内科）

J-モーニング 12-1 ARVC の遺伝的背景 “デスモゾーム病” 2653

大野 聖子（国立循環器病研究センター分子生物学部）

J-モーニング 12-2 ARVC の疫学、内科的治療 2654

志賀 剛（東京慈恵会医科大学 臨床薬理学講座）

J-モーニング 12-3 ARVC の重症心室性不整脈に対するアブレーション、ICD 治療 2655

野上 昭彦（筑波大学医学医療系 循環器不整脈学講座）

モーニングセミナー 13

心不全診療の基本-1：拡張障害主体の心不全をどう診るか

9:00-17:00

座長：増山 理（JCHO 星ヶ丘医療センター）

J-モーニング 13 HFpEF のみかた～予防から治療まで～	2656
安斉 俊久 (北海道大学大学院医学研究院循環病態内科学教室)	
モーニングセミナー 14 TAVI の Tips and Tricks	9:00-17:00
座長: 桃原 哲也 (川崎幸病院循環器内科)	
J-モーニング 14-1 二尖弁大動脈弁狭窄症に対する TAVI	2657
山中 太 (湘南鎌倉病院 循環器内科)	
J-モーニング 14-2 TAVI 後の抗血栓療法	2658
荒木 基晴 (済生会横浜市東部病院 循環器内科)	
モーニングセミナー 15 心電図を学ぶ-2	9:00-17:00
座長: 春名 徹也 (北野病院心臓センター不整脈科)	
J-モーニング 15 救急現場での不整脈の読み方	2659
安 珍守 (国立病院機構京都医療センター 循環器内科)	
モーニングセミナー 16 救急初期対応を学ぶ-2	9:00-17:00
座長: 塩見 紘樹 (京都大学循環器内科)	
J-モーニング 16 知っておくと役立つバイオマーカー	2660
成瀬 寛之 (藤田医科大学 臨床検査科)	
モーニングセミナー 17 CTO に挑む-2: Retrograde approach	9:00-17:00
座長: 大辻 悟 (東宝塚さとう病院循環器内科)	
座長: 中村 茂 (京都桂病院心臓血管センター)	
J-モーニング 17-1 Retrograde approach における channel selection	2661
那須 賢哉 (豊橋ハートセンター 循環器科)	
J-モーニング 17-2 Retrograde approach に移行するタイミング antegrade に戻るタイミング	2662
吉川 糧平 (三田市民病院 循環器内科)	
J-モーニング 17-3 Retrograde Knuckle procedure	2663
落合 正彦 (昭和大学横浜北部病院循環器内科)	
J-モーニング 17-4 Coil embolization for channel perforation	2664
角辻 暁 (大阪大学・国際循環器学)	
モーニングセミナー 18 MitraClip の Tips and Tricks	9:00-17:00
座長: 桃原 哲也 (川崎幸病院循環器内科)	
J-モーニング 18-1 From TEE operator	2665
片岡 明久 (帝京大学医学部附属病院 循環器内科)	
J-モーニング 18-2 From Device operator	2666
久保 俊介 (倉敷中央病院 循環器内科)	

モーニングセミナー 19

左主幹部病変に挑む-1

9:00-17:00

座長：豊福 守（日本赤十字社和歌山医療センター循環器内科）

J-モーニング 19 Indication、Imaging、1-stent approach 2667

高木 健督（大垣市民病院 循環器内科）

モーニングセミナー 20

僧帽弁閉鎖不全症を学ぶ

9:00-17:00

座長：尾辻 豊（産業医科大学第 2 内科学）

J-モーニング 20-1 分類と成因、重症度分類 2668

阿部 幸雄（大阪市立総合医療センター 循環器内科）

J-モーニング 20-2 病態に応じた治療戦略 2669

渡邊 望（宮崎県市医師会病院 心臓病センター循環器内科）

モーニングセミナー 21

肥大型心筋症の診断と治療

9:00-17:00

座長：加地 修一郎（神戸市立医療センター中央市民病院 循環器内科）

Commentator：高山 守正（榊原記念病院）

ディスカッサント：舩本 慧子（倉敷中央病院 循環器内科）

ディスカッサント：高見澤 格（公益財団法人日本心臓血管研究振興会附属榊原記念病院 循環器内科）

J-モーニング 21-1 Risk stratification of Sudden Cardiac Death in HCM patients in Clinical Practice 2670

高山 守正（榊原記念病院）

J-モーニング 21-2 Difficult to Diagnose, Controversial Indications for ICD Therapy, etc.

Case presentation. 1

2671

舩本 慧子（倉敷中央病院 循環器内科）

J-モーニング 21-3 Difficult to Diagnose, Controversial Indications for ICD Therapy, etc.

Case presentation. 2

2672

高見澤 格（公益財団法人日本心臓血管研究振興会附属榊原記念病院 循環器内科）

J-モーニング 21-4 Difficult to Diagnose, Controversial Indications for ICD Therapy, etc.

Summary

2673

加地 修一郎（神戸市立医療センター中央市民病院 循環器内科）

モーニングセミナー 22

機能的なハイブリッド手術室はこう作る

9:00-17:00

座長：小野寺 知哉（静岡市立静岡病院循環器内科）

座長：出雲 昌樹（聖マリアンナ医科大学循環器内科）

J-モーニング 22-1 （医師の立場から）ハイブリッド手術室の立ち上げから運用まで 2674

出雲 昌樹（聖マリアンナ医科大学 循環器内科）

J-モーニング 22-2 （看護師の立場から）ハイブリッド手術室の機能的な運用について 2675

市川 真弓（一般財団法人平成紫川会小倉記念病院 看護部）

J-モーニング 22-3 （放射線技師の立場から）ハイブリッド手術室の機能的な運用について 2676

安樂 摩美（京都大学医学部附属病院 放射線部）

J-モーニング 22-4 （臨床工学技士の立場から）ハイブリッド手術室の機能的な運用について 2677

西尾 皓人（名古屋ハートセンター 臨床工学部）

J-モーニング 22-5 （麻酔科医の立場から）ハイブリッド手術室の機能的な運用について 2678

清水 淳（榊原記念病院 麻酔科）

モーニングセミナー 23

心不全診療の基本 5：教えてほしい、地域連携の一工夫・ハートチームの作り方

9:00-17:00

座長：犬塚 康孝（滋賀県立総合病院循環器内科）

J-モーニング 23-1 都市部での病診連携システムの構築法

2679

中根 英策（公益財団法人 田附興風会 医学研究所 北野病院 心臓センター）

J-モーニング 23-2 地域で見る心不全システムの構築法

2680

川瀬 裕一（倉敷中央病院循環器内科）

J-モーニング 23-3 心不全チーム医療のために何が必要か

2681

渡邊 雅貴（みやびハート&ケアクリニック）

モーニングセミナー 24

心エコーを学ぶ-2

9:00-17:00

座長：三宅 誠（天理よろづ相談所病院循環器内科）

J-モーニング 24 運動負荷心エコーの最前線

2682

石井 克尚（関西電力病院 循環器内科）

モーニングセミナー 25

PCI と EVT の病理

9:00-17:00

座長：田崎 淳一（京都大学医学部附属病院循環器内科）

J-モーニング 25 PCI と EVT の病理

2683

井上 勝美（小倉記念病院 研究部）

モーニングセミナー 26

心不全診療の基本 2：心行動態を診療に活かす

9:00-17:00

座長：井上 晃男（獨協医科大学心臓・血管内科/循環器内科）

J-モーニング 26 一から学ぶ血行動態

2684

大西 勝也（大西内科ハートクリニック）

モーニングセミナー 27

心電図を学ぶ-3

9:00-17:00

座長：関口 幸夫（霞ヶ浦医療センター循環器内科）

J-モーニング 27 Holter、loop recorder、pacemaker ECG の読み方

2685

石橋 耕平（国立循環器病研究センター 心臓血管内科部門）

モーニングセミナー 29

救急初期対応を学ぶ-3

9:00-17:00

座長：坂田 憲治（金沢大学附属病院循環器内科）

J-モーニング 29 知っておくと役立つ救急現場での CT 検査—大動脈解離の単純 CT の読影、ULP など

2686

新沼 廣幸（聖路加国際病院 循環器内科）

モーニングセミナー 30

LAA closure の Tips and Tricks

9:00-17:00

座長：原 英彦（東邦大学医療センター大橋病院循環器内科）

- J-モーニング 30 症例から学ぶ LAA closure の Tips and Tricks** 2687
中島 祥文 (岩手医科大学 循環器内科)
- モーニングセミナー 31**
石灰化病変に挑む-2 Orbital Atherectomy, Shockwave 9:00-17:00
座長: 中村 淳 (新東京病院心臓内科)
- J-モーニング 31-1 Orbital Atherectomy (Diamond BackTM)** 2688
郷原 正臣 (横浜市立大学附属病院 循環器内科)
- J-モーニング 31-2 Shockwave Intravascular lithotripsy (IVL)** 2689
三友 悟 (新東京病院 心臓内科)
- モーニングセミナー 32**
左主幹部病変に挑む-2 9:00-17:00
座長: 福 康志 (倉敷中央病院心臓病センター循環器内科)
- J-モーニング 32 Two-stent approach** 2690
道明 武範 (小倉記念病院 循環器内科)
- モーニングセミナー 33**
肺高血圧症を学ぶ 9:00-17:00
座長: 岡野 嘉明 (阪和第二泉北病院内科・京都大学病院肺高血圧外来)
- J-モーニング 33 肺高血圧診療の pitfall** 2691
木下 秀之 (京都大学大学院医学研究科 地域医療システム学講座)
- モーニングセミナー 34**
心サルコイドーシスを学ぶ 9:00-17:00
座長: 矢崎 善一 (佐久総合病院佐久医療センター循環器内科)
- J-モーニング 34 心臓サルコイドーシスをめぐる最近の進歩 心臓サルコイドーシスの診断、薬物療法・非薬物療法** 2692
草野 研吾 (国立循環器病研究センター心臓血管内科)
- モーニングセミナー 35**
機能的な EP ラボはこう作る 9:00-17:00
座長: 貝谷 和昭 (大津赤十字病院)
- J-モーニング 35-1 EP カテ室を機能的構造にするポイントと各種不整脈に応じた Lab-system の画面の作り方** 2693
小正 晃裕 (京都大学医学部附属病院 循環器内科)
- J-モーニング 35-2 ノイズ対策の実践とコツ** 2694
丹生 治司 (小倉記念病院 検査技師部)
- モーニングセミナー 36**
心不全診療の基本 3: 糖尿病から心不全への進行を防ぐ 9:00-17:00
座長: 加藤 恵理 (京都大学大学院医学部医学研究科循環器内科)
- J-モーニング 36 糖尿病と心不全予防を兼ねる SGLT2 阻害薬** 2695
桑原 宏一郎 (信州大学医学部 循環器内科)

モーニングセミナー 37 心エコーを学ぶ-3

9:00-17:00

座長：渡邊 真（京都大学循環器内科）

- J-モーニング 37 Mitralclip を見据えた僧帽弁閉鎖不全症の周術期エコー 2696
丸尾 健（倉敷中央病院 循環器内科）

モーニングセミナー 38 心筋生検を学ぶ

9:00-17:00

座長：中村 一文（岡山大学大学院循環器内科学）

- J-モーニング 38-1 心筋生検による病理診断 2697
加藤 誠也（福岡県済生会福岡総合病院 病理診断科）
J-モーニング 38-2 心筋生検の応用（研究応用を含めて） 2698
尾上 健児（奈良県立医科大学 循環器内科）
J-モーニング 38-3 実際の手技を学ぶ 2699
中川 晃志（岡山大学病院 循環器内科）

ファイアサイドセミナー 3 石灰化病変を克服する

9:00-17:00

座長：門田 一繁（倉敷中央病院心臓病センター循環器内科）
座長：川井 和哉（近森病院）
ディスカッサント：野崎 洋一（カレスサッポロ北光記念病院）
ディスカッサント：西田 幸司（近森病院）
ディスカッサント：本江 純子（菊名記念病院循環器センター）
ディスカッサント：柴田 剛徳（宮崎市医師会病院循環器内科）
ディスカッサント：船津 篤史（京都桂病院心臓血管センター）
ディスカッサント：中村 淳（新東京病院心臓内科）

- J-ファイアサイド 3-1 症例提示（前半） 2762
野崎 洋一（カレスサッポロ北光記念病院）
J-ファイアサイド 3-2 石灰化の臨床成績に及ぼす影響オーバービュー 2763
西田 幸司（近森病院）
J-ファイアサイド 3-3 石灰化病変を克服する：血管内イメージング 2764
本江 純子（菊名記念病院循環器センター）
J-ファイアサイド 3-4 石灰化病変を克服する：ロータブレーター 2765
柴田 剛徳（宮崎市医師会病院 循環器内科）
J-ファイアサイド 3-5 石灰化病変を克服する：Cutting/Scoring Balloon 2766
門田 一繁（倉敷中央病院 心臓病センター 循環器内科）
J-ファイアサイド 3-6 石灰化病変を克服する：Orbital Atherectomy 2767
船津 篤史（京都桂病院 心臓血管センター）
J-ファイアサイド 3-7 石灰化病変を克服する：Shock Wave 2768
中村 淳（新東京病院 心臓内科）
J-ファイアサイド 3-8 症例提示（後半） 2769
野崎 洋一（カレスサッポロ北光記念病院）

ファイアサイドセミナー 5 血流解析の最先端：血流会 meet JCS 2020

9:00-17:00

座長：板谷 慶一（京都府立医科大学心臓血管外科心臓血管血流解析学講座）
座長：中村 匡徳（名古屋工業大学）
座長：上嶋 徳久（心臓血管研究所循環器内科）

- J-ファイアサイド 5-1 心不全患者での左室渦流動態 2770
上嶋 徳久（心臓血管研究所 循環器内科）

J-ファイアサイド 5-2 動物実験での超音波血流解析	2771
田中 綾 (東京農工大学 グローバルイノベーション研究院)	
J-ファイアサイド 5-3 左室心内圧較差と左室能動拡張のメカニズム	2772
高橋 健 (順天堂大学 小児科学教室)	
J-ファイアサイド 5-4 4D flow MRI でみた心筋疾患	2773
関根 鉄朗 (日本医科大学 放射線科)	
J-ファイアサイド 5-5 心臓放射線画像と数値流体モデルの構築	2774
植田 琢也 (東北大学大学院医学系研究科保健学専攻 画像診断学分野)	
J-ファイアサイド 5-6 心臓大血管の流体構造連成解析モデル	2775
滝沢 研二 (早稲田大学 創造理工学部総合機械工学科)	
J-ファイアサイド 5-7 電気インピーダンス法による人工心肺回路内の流れ場計測と血栓検出の可能性	2776
武居 昌宏 (千葉大学大学院 工学研究院)	
J-ファイアサイド 5-8 成人先天性心疾患の診断と治療のための血流解析	2777
板谷 慶一 (京都府立医科大学 心臓血管外科 心臓血管血流解析学講座)	

Fireside Seminar 14

Exploring the Best Antiplatelet Regimen after PCI in East Asia and Globally

9:00-17:00

Chairperson : Masahiro Natsuaki (Saga University, Saga)
 Chairperson : Kyohei Yamaji (Kokura Memorial Hospital, Kitakyushu)
 Discussant : Deepak Bhatt (Brigham and Women's Hospital, Harvard Medical School, USA)
 Discussant : Upendra Kaul (Batra Heart Center & Batra Hospital and Medical Research Center, India)
 Discussant : Shinya Goto (Department of Medicine (Cardiology), Tokai University School of Medicine, Isehara)
 Discussant : Adnan Kastrati (Deutsches Herzzentrum München, Germany)
 Discussant : Yoshinobu Onuma (National University of Ireland Galway, Ireland)
 Discussant : Takeshi Kimura (Kyoto University Graduate School of Medicine, Department of Cardiovascular Medicine, Kyoto)

J-Fireside14-1 Ticagrelor might not be the best P2Y ₁₂ inhibitor for patients in East Asia: PHILO and TICAKOREA randomized trials	2778
Duk-Woo Park (ASAN Medical Center, Korea)	
J-Fireside14-2 First Head-to-Head Randomized Trial Comparing Prasugrel versus Ticagrelor: ISAR REACT-5 randomized trial	2779
Adnan Kastrati (Deutsches Herzzentrum München, Germany)	
J-Fireside14-3 Antiplatelet Monotherapy beyond 1-Year after PCI: A Landmark Analysis from the GLOBAL LEADERS randomized trial	2780
Yoshinobu Onuma (National University of Ireland Galway, Ireland)	

Oral Abstract 1

Electrocardiogram 1

9:00-17:00

Chairperson : Takanao Mine (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)
 Chairperson : Mikiko Nakagawa (Medical Education Center, Oita University, Oita)
 Discussant : Takanori Aizawa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

OE1-1 Difference of 18-leads Electrocardiography between Takotsubo Syndrome and Acute Anterior Myocardial Infarction	3033
Masato Shimizu (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)	
OE1-2 Differences of Cardiac Amyloidosis from Other Causes of Left Ventricular Hypertrophy in Holter Monitoring	3034
Shinya Yamada (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)	
OE1-3 Relationship between Resting 12-lead Electrocardiogram and All-cause Mortality in Patients without Structural Heart Disease: Shinken Database Analysis	3034
Naomi Hirota (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)	
OE1-4 Prediction of Heart Failure Events by 12 Lead-electrocardiogram Parameters	3035
Emi Fujii (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)	
OE1-5 Incidence and Predictors of Conduction Disturbances and Pacemaker Implantation in Patients Undergoing Transcatheter Aortic Valve Implantation	3035
Yuki Obayashi (Department of Cardiology, Tenri Hospital, Tenri)	

OE1-6	Withdrawn	3036
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Oral Abstract 2

Echo/Doppler 1

9:00-17:00

Chairperson : Toshiaki Izumi (Department of Cardiology, Saiseikai Noe Hospital, Osaka)
 Chairperson : Kotaro Numaguchi (Department of Cardiology, Kitakyushu Municipal Medical Center, Kitakyushu)
 Discussant : Eiji Yamashita (Department of Cardiology, Gunma Prefectural Cardiovascular Center, Maebashi)
 Discussant : Mio Ebato (Showa University Fujigaoka Hospital, Yokohama)

OE2-1	The Usefulness of 2D Speckle Strain Imaging in Echocardiography to Detect Cardiac Injury Induced by Amyloidosis after Domino Liver Transplantation	3037
	Hiroki Usuku (Department of Laboratory Medicine, Kumamoto University Hospital, Kumamoto)	
OE2-2	Peak Longitudinal Strain Rate in Left Atrium is Useful to Predict Transthyretin Amyloidosis in Elderly Aortic Stenosis Patients	3038
	Fumi Oike (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)	
OE2-3	CH ₂ PEF Score as Modified H ₂ FPEF Score Discriminate High Left Atrial Pressure in Japanese Patients with HFpEF and Sinus Rhythm	3038
	Tomoyuki Watanabe (Division of Cardiology and Internal Medicine, Health Co-op. Watari Hospital, Fukushima)	
OE2-4	Impact of Hemodynamic and Functional Assessment of Right Heart on Heart Failure Prognosis	3039
	Tatsuya Tabata (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)	
OE2-5	Impact of Wave Reflection: Right Ventricular-Arterial Coupling	3039
	Hiromasa Hayama (Department of Cardiology, National Center for Global Health and Medicine, Tokyo)	
OE2-6	Influence of Advanced Pulmonary Vascular Remodeling on Accuracy of Echocardiographic Parameters of Left Ventricular Filling Pressure in Pre-capillary Pulmonary Hypertension	3040
	Yasuyuki Chiba (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)	

Oral Abstract 3

Atherosclerosis (Basic) 1

9:00-17:00

Chairperson : Kunimitsu Iwai (Geriatric Medicine, Kanazawa Medical University, Kanazawa)
 Chairperson : Kayoko Sato (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
 Discussant : Pham Tran Phuong (Department of Cardiovascular Medicine, Tokushima University Graduate School of Biomedical Science, Tokushima)
 Discussant : Chiemi Sakai (Department of Cardiovascular Physiology and Medicine, Hiroshima University, Hiroshima)

OE3-1	Withdrawn	3041
OE3-2	Coronary Artery Disease Associated Gene TCF21 Promotes Vascular Smooth Muscle Cell Phenotypic Modulation by Blocking the Myocardin-Serum Response Factor Pathway	3042
	Manabu Nagao (Division of Evidence-based Laboratory Medicine, Kobe University Graduate School of Medicine, Kobe)	
OE3-3	Deficiency of I K BNS Activates Cholate-induced Inflammation via TLR4/IL-6/STAT3 Pathway and Promotes Atherogenesis in LDL Receptor-deficient Mice	3042
	Tomiharu Niida (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo/Department of Cardiovascular Medicine, Kashiwa-kousei General Hospital, Kashiwa)	
OE3-4	Angiotensin II Type1 Receptor Modulates Vascular Senescence and Arteriosclerosis via Induction of Mitochondrial Fission and Suppression of Mitophagy	3043
	Yoshihiro Uchikado (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)	
OE3-5	Pemafibrate, a Novel Selective Peroxisome Proliferator-activated Receptor- α Modulator, Attenuates Vascular Inflammation and Endothelial Dysfunction in Diabetic Mice	3044
	Kumiko Suto (Department of Cardiovascular Medicine, Institute of Biomedical Sciences, Tokushima University Graduate School, Tokushima)	
OE3-6	Quantitative Analysis of Cholesterol Crystals in Coronary Heart Disease, Spontaneous Ruptured Plaques in Aorta, Peripheral Artery, and Vein	3044
	Sei Komatsu (Cardiovascular Center, Osaka Gyomeikan Hospital, Osaka)	

Oral Abstract 4

Atherosclerosis (Clinical/Diagnosis) 1

9:00-17:00

Chairperson : Tetsuro Miyazaki (Department of Cardiology, Juntendo University Urayasu Hospital, Urayasu)

Chairperson : Shigeo Horinaka (Department of Cardiovascular Medicine, Dokkyo Medical University, Mibu)

- OE4-1 High Apolipoprotein-B Level is a Risk Factor of Secondary Cardiovascular Incidence in Patients with Familial Hypercholesterolemia 3045
Yasutaka Imamura (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE4-2 Age-related Difference of Risk Factors for Cardiovascular Disease on the Progression of Arterial Stiffness 3046
Masatsune Fujii (Department of Cardiology, Tokyo Medical University, Tokyo)
- OE4-3 Withdrawn 3046
- OE4-4 Longitudinal Association between Early/Late Systolic Cardiac Load and the Left Ventricular Systolic Dysfunction in Its Early Stage 3047
Hiroki Nakano (Department of Cardiology, Tokyo Medical University, Tokyo)
- OE4-5 Clinical Significance of the Periaortic Adipose Tissue Inflammation in Patients with Abdominal Aortic Aneurysms 3047
Masao Yamaguchi (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE4-6 Relation between Carotid Artery Intima-Media Thickness and the Carotid Plaque Diameter and Aging-related Events; Focus on Gender Difference 3048
Kazuhiro Ueno (Ueno Cardiovascular Medical Clinic, Munakata)

Oral Abstract 5

Acute Heart Failure 2

9:00-17:00

Chairperson : Hiroyuki Takahama (National Cerebral and Cardiovascular Center, Suita)

Chairperson : Nobuyuki Shiba (International University of Health and Welfare Hospital, Tokyo)

Discussant : Takahisa Noma (Kagawa University, Takamatsu)

- OE5-1 Clinical Benefit of Nasal High Flow Oxygenation Therapy for Acute Heart Failure in Adults -For Quicker Regain of ADL- 3049
Yoshiya Yamamoto (Tokai University Hachioji Hospital, Tokyo)
- OE5-2 Prognostic Impact of Physical and Social Frailty in Elderly Patients Hospitalized with Heart Failure 3050
Tomoyo Hamana (Department of Cardiology, Awaji Medical Center, Sumoto)
- OE5-3 Early Follow-up at Outpatient Care after Discharge Improves Long-term Prognosis of Patients with Decompensated Heart Failure 3051
Ryuichi Matsukawa (Department of Cardiology, Fukuoka Red Cross Hospital, Fukuoka)
- OE5-4 Long-term Outcome of Catheter Ablation for Ventricular Tachycardia in Patients with Post Myocardial Infarction with Heart-Failure in Mid-range Ejection Fraction 3051
Shin Nakamura (Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Hiroo)
- OE5-5 Complication of Acute Heart Failure Following ST-segment Elevation Myocardial Infarction (STEMI) Patients Underwent Primary Percutaneous Coronary Intervention 3052
Yusuf Azmi (National Cardiovascular Center Harapan Kita, Jakarta, Indonesia)
- OE5-6 Association with Short-acting Type vs. Long-acting Type Loop Diuretics and Long-term Clinical Outcomes in Patients Hospitalized with Acute Heart Failure 3052
Shohei Imaeda (Department of Cardiology, Keio University School of Medicine, Tokyo)

Oral Abstract 6

Heart Failure (Neurohormonal and Metabolic Modulation)

9:00-17:00

Chairperson : Hiroshi Ito (Yokohama City Minato Red Cross Hospital, Yokohama)

Chairperson : Tatsuji Kono (Soseikai General Hospital, Kyoto)

Discussant : Noriaki Takama (Department of Cardiovascular Medicine, Gunma University School of Medicine, Maebashi)

- OE6-1 Association of Mineralocorticoid Receptor Antagonist Use and Cardiovascular Events in Patients with Heart Failure with Preserved Ejection Fraction 3054
Sho Suzuki (Department of Cardiovascular Medicine, Minaminagano Medical Center, Shinonoi General Hospital, Nagano)

- OE6-2 The Impact of the Use of Sacubitril/Valsartan on Clinical and Echocardiographic Parameters in Heart Failure Patients 3055
Abdallah Almaghraby (University of Alexandria, Egypt)
- OE6-3 Additional Mineralocorticoid-receptor Antagonist Improves Cardiovascular Mortality in Heart Failure Patients with Insufficient Doses of Guideline-recommended Medication: Propensity-score Matching Analysis 3055
Takuro Abe (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE6-4 Beneficial Effect of Exchanging Dipeptidyl Peptidase 4 Inhibitor for Canagliflozin on Heart Failure with Diabetes Mellitus: CHANGE Trial 3056
Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- OE6-5 Withdrawn 3057
- OE6-6 Impact of Target Heart Rate in Heart Failure Patients with Beta-blocker Treatment 3057
Kimiko Nagara (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Oral Abstract 7

Prognostic Factors for Heart Failure

9:00-17:00

Chairperson : Neiko Ozasa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Hiroyuki Takenaka (Hirakatakousai Hospital, Hirakata)

- OE7-1 Clinical Correlates and Prognostic Impact of Elevated Right Atrial Pressure in Patients with Hypertrophic Cardiomyopathy 3058
Yuichi J. Shimada (Columbia University Medical Center, USA)
- OE7-2 Withdrawn 3059
- OE7-3 Circulating Acetoacetate is Associated with Poor Prognosis in Heart Failure Patients 3059
Tetsuro Yokokawa (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE7-4 High Neutrophil-to-lymphocyte Ratio and Cortisol Levels were Associated with Delirium Development in Patients with Acute Cardiovascular Diseases and Heart Failure 3060
Yurina Sugita (Department of Cardiology, Juntendo University School of Medicine, Tokyo)
- OE7-5 Prognosis, Change of Diastolic Function and Its Determinant Factor in Heart Failure with Preserved Ejection Fraction with Indeterminate Diastolic Function 3060
Bolrathanak Oeun (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE7-6 Withdrawn 3061

Oral Abstract 8

Heart Failure (Pathophysiology) 1

9:00-17:00

Chairperson : Yoshitaka Iwanaga (Kindai University Faculty of Medicine, Osaka)
Chairperson : Ryuji Okamoto (Department of Cardiology and Nephrology, Tsu)
Discussant : Eriko Hisamatsu (Department of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)

- OE8-1 Change in Tricuspid Regurgitation Pressure Gradient Predicts Prognosis of Patients with Worsening Renal Function in Heart Failure: Insight from REALITY-AHF 3062
Kazuto Hayasaka (Department of Cardiology, National Hospital Organization Disaster Medical Center, Tachikawa)
- OE8-2 Time-dependent Enlargement of Left Ventricular Size Predicts Clinical Adverse Events in Patients with Heart Failure with Preserved Ejection Fraction 3063
Shou Ogawa (Department of Cardiology, Sakakibara Heart Institute, Hutyu)
- OE8-3 Prognostic Value of CHADS2 Score in HFpEF Patients with and without Atrial Fibrillation: Insights from PURSUIT-HFpEF Registry 3064
Masato Kawasaki (Division of Cardiology, Osaka General Medical Center, Osaka)
- OE8-4 Relationship between Heart Failure and Hemogram; Unique Relationship between Pulmonary Congestion and Decreased Platelet Count 3064
Takuya Oh (Division of Cardiology, Internal Medicine, The Jikei University School of Medicine, Katsushika Medical Center, Tokyo)

- OE8-5 AF Begets Right Sided Cardiac Dysfunction in Heart Failure with Preserved Ejection Fraction Independent of Pulmonary Hypertension 3065
Yoshihiro Seo (Department of Cardiology, Nagoya City University Graduate School of Medical Sciences, Nagoya)
- OE8-6 Relationship between the Structure of the Aorta and the Flash Pulmonary Edema 3065
Makoto Takeuchi (Asa City Hospital, Hiroshima)

Oral Abstract 9

Coronary Circulation 1

9:00-17:00

Chairperson : Tadashi Murai (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
Chairperson : Hiroyuki Hikita (Yokosuka Kyosai Hospital, Yokosuka)
Discussant : Hidetaka Nishina (Department of Cardiology, Tsukuba Medical Center Hospital, Tsukuba)
Discussant : Kazuki Mizutani (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)

- OE9-1 Adverse Plaque Characteristics Relate More Strongly with Index of Microcirculatory Resistance than Coronary Flow Reserve 3066
Masahiro Hada (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE9-2 Additional Decrease in Fractional Flow Reserve after Isotonic Handgrip Exercise during Pharmacological Coronary Hyperemia 3067
Hiroyuki Shibutani (Department of Medicine 2, Kansai Medical University, Osaka)
- OE9-3 Per-Vessel Level Impact of Physiological Pattern of Disease on the Discordance between Fractional Flow Reserve and Instantaneous Wave-Free Ratio 3067
Takayuki Warisawa (Department of Cardiovascular Medicine, St. Marianna University School of Medicine Yokohama City Seibu Hospital, Yokohama)
- OE9-4 Discordance between Fractional Flow Reserve and Each Non-hyperemic Resting Index in Intermediate Coronary Stenosis 3068
Hiroyuki Tamaru (Department of Cardiology, Higashitakarazuka Satoh Hospital, Takarazuka)
- OE9-5 Quantification of Myocardial Mass Subtended by a Coronary Stenosis Using Intracoronary Physiology 3069
Tadashi Murai (Heart Center, Amsterdam UMC, The Netherlands)
- OE9-6 Significance of Fragmented QRS as an Important Marker of Myocardial Damage on SPECT Myocardial Perfusion Imaging 3070
Andrico Tobing (Deli General Hospital, Indonesia)

Oral Abstract 10

ACS (Clinical/Diagnosis) 1

9:00-17:00

Chairperson : Seichi Hiramori (Kokura Memorial Hospital, Kitakyushu)
Chairperson : Yoshinobu Murasato (Department of Cardiology, National Hospital Organization Kyushu Medical Center, Fukuoka)
Discussant : Shinya Ito (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

- OE10-1 Efficacy of Hybrid Emergency Room for Out-of-Hospital Cardiac Arrest Patients Undergoing Extracorporeal Cardiopulmonary Resuscitation with Veno-arterial Extracorporeal Membrane Oxygenation 3071
Masafumi Mizusawa (Department of Cardiology, Saiseikai Yokohama-city Eastern Hospital, Yokohama)
- OE10-2 Clinical Characteristics and Prognostic Impact of the Timing of Cardiac Rupture: Retrospective Study from 4,469 Single Center Database 3072
Toshiyuki Kimura (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- OE10-3 Clinical Features and Prognosis of Acute Myocardial Infarction Due to Coronary Artery Embolism 3073
Reo Hata (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE10-4 Visit-to-visit Variability of Low-density Lipoprotein Cholesterol may Associate with Plaque Rupture Leading to Acute Coronary Syndrome 3073
Shinsuke Nakano (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE10-5 Clinical Characteristics and Morphological Culprit Plaque Features in Patients with Acute Coronary Syndrome 3074
Akira Nagasawa (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

- OE10-6 Relationship between Intracoronary Electrocardiogram-defined Myocardial Damage and Pericoronary Adipose Tissue Inflammation in Patients with Non-ST-segment Elevation Myocardial Infarction 3074
Yohei Sumino (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)

Oral Abstract 11

ACS (Clinical/Diagnosis) 2

9:00-17:00

Chairperson : Kenichiro Otsuka (Massachusetts General Hospital, USA)
Chairperson : Yoshito Yamamoto (Cardiovascular Care Center, Iwaki City Medical Center, Iwaki)
Discussant : Takayoshi Toba (Kobe University Graduate School of Medicine, Kobe)
Discussant : Takashi Hiromasa (Kokura Memorial Hospital, Department of Cardiology, Kitakyushu)

- OE11-1 Two-dimensional Speckle Tracking Echocardiography for Diagnosing Chest Pain in the Emergency Room: The Multicenter Prospective Study by A TRAC-SI Group 3075
Katsuhisa Ishii (Department of Cardiology, Kansai Electric Power Hospital, Osaka)
- OE11-2 Prospective Clinical Study of the ESC 0-hour/1-hour Algorithm Using High-sensitivity Cardiac Troponin T in Asian Countries 3076
Masayuki Shiozaki (Department of Cardiology, Juntendo University Nerima Hospital, Tokyo)
- OE11-3 How Many Patients in ST-Segment Elevation Myocardial Infarction Have Elevated Troponin Values before the Primary Percutaneous Coronary Intervention? 3076
Saeko Takahashi (Shonan Kamakura General Hospital, Kamakura)
- OE11-4 The Association of Symptom Presentation with In-Hospital Outcomes in Patients with Acute Myocardial Infarction Undergoing Percutaneous Coronary Intervention 3077
Takuya Nakahashi (Department of Cardiology, Takaoka City Hospital, Takaoka)
- OE11-5 Clinical Characteristics and In-Hospital Mortality of Myocardial Infarction with and without Obstructive Coronary Artery Disease; Results from the JROAD-DPC Database 3077
Masanobu Ishii (Miyazaki Prefectural Nobeoka Hospital, Nobeoka)
- OE11-6 Clinical Outcomes 1 Year after Filter Protection during Percutaneous Coronary Intervention in Patients with Attenuated Plaque Identified by Intravascular Ultrasound 3078
Kiyoshi Hibi (Division of Cardiology, Yokohama City University Medical Center, Yokohama)

Oral Abstract 12

ACS (Clinical/Pathophysiology) 1

9:00-17:00

Chairperson : Minoru Yoshiyama (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
Chairperson : Shigeto Namiuchi (Department of Cardiology, Sendai City Medical Center Sendai Open Hospital, Sendai)
Discussant : Mitsuru Ishii (National Hospital Organization, Kyoto Medical Center, Department of Cardiology, Kyoto)
Discussant : Tomohiro Yamasaki (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE12-1 Comprehensive Rare Nonsynonymous Variant Analysis for Coronary Artery Disease Using a Machine Learning Approach 3080
Hirofumi Ieki (Department of Cardiovascular Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo)
- OE12-2 Prognostic Value of Skeletal Muscle Loss with Abnormal Abdominal Fat Distribution in Patients with ST-Segment Elevation Myocardial Infarction 3081
Ryosuke Sato (Division of Cardiology, Yokohama City University Medical Center, Yokohama)
- OE12-3 Insulin Resistance and Dysglycemia are Associated with Left Ventricular Remodeling after Myocardial Infarction in Non-Diabetic Patients 3081
Chen Die Yang (Ruijin Hospital, Shanghai Jiao-Tong University School of Medicine, China)
- OE12-4 Circulating Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Associates with Myocardial Damage in Patients with Acute Coronary Syndrome Receiving PCI 3082
Naoto Kuyama (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE12-5 Blunted B-type Natriuretic Peptide (BNP) Reactivity to Ischemic Attack of Acute Coronary Syndrome (ACS) in Obese Subjects 3082
Tomohisa Nagoshi (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)

- OE12-6 Assessing Long-term Poor Outcomes in Systemic Lupus Erythematosus Patients with Acute Coronary Syndrome 3083
 Jie Ren (Southern California Permanente Medical Group, USA)

Oral Abstract 13

TAVI 1

9:00-17:00

Chairperson : Go Hiasa (Ehime Prefectural Central Hospital, Matsuyama)
 Chairperson : Masako Okada (Japan Community Health Care Organization Osaka Hospital, Osaka)
 Discussant : Tomohiko Taniguchi (Kokura Memorial Hospital, Department of Cardiology, Kitakyushu)
 Discussant : Kazumasa Yamasaki (Sapporo Higashi Tokushukai Hospital, Sapporo)

- OE13-1 Enhanced Expression of iNOS is Associated with Aortic Valve Stenosis in Patients with Bicuspid Aortic Valve 3084
 Naoki Fujisawa (Department of Cardiology, Osaka City General Hospital, Osaka)
- OE13-2 Preoperative Transaortic Pressure Gradient Predicts Renal Functional Improvement after Transcatheter Aortic Valve Implantation in Patients with Chronic Kidney Disease 3085
 Takuma Takada (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE13-3 Impact of Down-Sizing on Clinical Outcomes after Transcatheter Aortic Valve Implantation Utilizing Self-expanding Valve: A Japanese Multicenter Registry Study 3085
 Katsuaki Sakai (Tokai University Hospital, Kanagawa)
- OE13-4 Highly Predictive Risk Factors for Permanent Pacemaker Implantation after Transcatheter Aortic Valve Replacement with the SAPIEN 3 3086
 Kenichi Ishizu (Department of Cardiovascular Medicine, Kokura Memorial Hospital, Kitakyushu)
- OE13-5 Thrombocytopenia and Outcomes after Transcatheter Aortic Valve Implantation 3087
 Shinya Ito (Division of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE13-6 Prognostic Impact of Pulmonary Hypertension in Patients with Severe Aortic Stenosis Who Underwent Transcatheter Aortic Valve Implantation 3087
 Kimi Sato (Department of Cardiology, University of Tsukuba, Tsukuba)

Oral Abstract 14

Echo/Doppler 5

9:00-17:00

Chairperson : Kazumi Akasaka (Asahikawa Medical University Hospital, Advanced Ultrasound Imaging Laboratory, Asahikawa)
 Chairperson : Chinatsu Yamada (Nishinomiya Watanabe Cardiovascular Cerebral Center, Nishinomiya)
 Discussant : Kiyohiro Takigiku (Nagano Children's Hospital, Department of Cardiology, Azumino)
 Discussant : Makoto Amaki (National Cerebral and Cardiovascular Center, Suita)

- OE14-1 Superb Microvascular Imaging-based Vascular Index Enables to Reflect the Endothelial Dysfunction in HFrEF 3088
 Takayuki Yamanaka (Department of Cardiovascular Medicine, Akita University, Akita)
- OE14-2 Impact of Right Ventricular Function on Outcome and Functional Reversibility after Transcatheter Aortic Valve Implantation in Severe Aortic Stenosis Patients 3089
 Noor K. Albakaa (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
- OE14-3 Predictive Features of Perivalvular Leakage Reduction at Mid-Term Follow-Up Period after Transcatheter Aortic Valve Implantation 3089
 Michiyo Yamano (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
- OE14-4 Incidence and Prevalence of Hidden Aortic Stenosis in the Advanced Elderly Patients with Femoral Neck Fracture or Trochanteric Fracture 3090
 Makoto Furugen (Miyazaki Medical Association Hospital, Miyazaki)
- OE14-5 Disagreement of Transaortic Pressure Gradient in Severe Aortic Stenosis between Cardiac Catheterization and Doppler Echocardiography: What are Associated Factors? 3090
 Kazuaki Takamatsu (Department of Cardiology, University Hospital, Kyoto Prefectural University of Medicine, Kyoto)
- OE14-6 Proximal Isovelocity Surface Area Method for the Estimation of Effective Orifice Area in Patients with Aortic Stenosis 3091
 Masahiro Nakabachi (Division of Clinical Laboratory and Transfusion Medicine, Hokkaido University Hospital, Sapporo)

Oral Abstract 15

Echo/Doppler 6

9:00-17:00

Chairperson : Yoko Miyasaka (Cardiovascular Division, Kansai Medical University, Hirakata)

Chairperson : Akihiro Hayashida (The Sakakibara Heart Institute of Okayama, Okayama)

Discussant : Kensuke Matsumoto (Kobe University Graduate School of Medicine, Department of Internal Medicine, Division of Cardiovascular Medicine, Kobe)

Discussant : Takeji Saitoh (Department of Emergency and Disaster Medicine, Hamamatsu University School of Medicine, Hamamatsu)

- OE15-1 The Relationships between Thrombogenic Milieu by Transesophageal Echocardiography and Morphological Features Relevant to Left Atrial Appendage Occlusion 3092
Yuta Kemi (Ueno-mura Remote Clinic, Ueno)
- OE15-2 Withdrawn 3093
- OE15-3 Occurrence and Spatial Morphometric Characteristics of the Coumadin Ridge 3093
Kamil Tyrak (Jagiellonian University Medical College, Poland)
- OE15-4 Clinical and Echocardiographic Correlates of Left Atrial Spontaneous Echo Contrast Occurring in Patients with Low CHADS₂/CHA₂DS₂-VASc 3094
Kanako Akamatsu (Department of Cardiology, Osaka Medical College, Takatsuki)
- OE15-5 Prognostic Impact of Right and Left Ventricular Longitudinal Strain in Heart Failure Patients with Cardiac Resynchronization Therapy 3095
Nana Endo (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE15-6 Cardiac Resynchronization Therapy Improves Left Atrial Reservoir Function through Resynchronization of Left Atrial Dyssynchrony, Resulting in the Favorable Prognosis 3095
Kumiko Dokuni (Department of Cardiology, Kobe University Graduate School of Medicine, Kobe)

Oral Abstract 16

Cardiomyopathy/Hypertrophy (Basic)

9:00-17:00

Chairperson : Noboru Ashida (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Chairperson : Kenji Onoue (Nara Medical University, Cardiovascular Medicine, Nara)

Discussant : Masamichi Ito (The University of Tokyo, Division of Cardiovascular Medicine, Tokyo)

Discussant : Shintaro Matsuda (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE16-1 Withdrawn 3096
- OE16-2 Reduced Fatty Acid Uptake Aggravates Cardiac Contractile Dysfunction in Streptozotocin-induced Diabetic Cardiomyopathy 3097
Ryo Kawakami (Department of Cardiology, Gunma University Graduate School of Medicine, Maebashi)
- OE16-3 Adrenomedullin-RAMP2 and RAMP3 Systems Regulate Cardiac Homeostasis against Cardiovascular Stresses 3097
Nanqi Cui (Department of Cardiovascular Research, Shinshu University School of Medicine, Matsumoto)
- OE16-4 Contractile Measurement of Human Bioengineered Cardiac Tissue Using iPS Cells Derived from Dilated Cardiomyopathy Patients with Lamin Variant 3098
Koichiro Miura (Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, Tokyo)
- OE16-5 Loss of Chondroitin Sulfate N-acetylgalactosaminyltransferase-2 Exacerbates Cardiac Remodeling and Heart Failure after Pressure-Overload 3099
Andreas Haryono (Division of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE16-6 Withdrawn 3099

Oral Abstract 17

AF Ablation Method/High Power Ablation

9:00-17:00

Chairperson : Shigeru Ikeguchi (Shiga General Hospital, Cardiology, Moriyama)
 Chairperson : Kikuya Uno (Heart Rhythm Center, Chiba-Nishi General Hospital, Matsudo)
 Discussant : Shiro Nakahara (Dokkyo Medical University Saitama Medical Center, Koshigaya)
 Discussant : Koji Fukuzawa (Section of Arrhythmia, Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

- OE17-1 Feasibility and Safety of Pulmonary Vein Isolation Using High Power-Short Duration Strategy for Atrial Fibrillation: Result of the Endoscopic Examination 3100
 Yoshikazu Sato (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE17-2 Investigation of Lesion Profile in High-Power Short-Duration Ablation for Pulmonary Vein Isolation: Insights from Comparison of 50W and 40W Settings 3101
 Satoshi Hara (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE17-3 Pulmonary Vein Isolation with High Power-Short Duration Strategy: Comparison of 40W and 50W Radiofrequency Power Setting in the Feasibility and Efficacy 3101
 Yoshikazu Sato (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE17-4 Box Isolation Using High Power and Short Duration Ablations and Contact Force Sensing Catheter 3102
 Hideko Toyama (Heart Rhythm Center, Fukuoka Sanno Hospital, Fukuoka)
- OE17-5 Safety and Effectiveness of High-power and Short-duration Ablation at Low Contact Force on the Posterior Wall Adjacent to the Esophagus 3102
 Yoko Shojima (Department of Cardiology, Aso Iizuka Hospital, Fukuoka)
- OE17-6 Safety and Efficacy of High-power Short-duration Radiofrequency Ablation for Pulmonary Vein Isolation 3103
 Masatsugu Nakano (Department of Cardiology, Saiseikai Fukuoka General Hospital, Fukuoka)

Oral Abstract 18

AF Ablation Method/Low Voltage Ablation

9:00-17:00

Chairperson : Akihiro Yoshida (Kita-Harima Medical Center, Ono)
 Chairperson : Yasushi Miyauchi (Department of Cardiovascular Medicine, Nippon Medical School Chiba-Hokusoh Hospital, Inzai)
 Discussant : Yuichi Ono (Department of Cardiology, Ome Municipal General Hospital, Ome)
 Discussant : Katsunori Okajima (Kakogawa Central City Hospital, Kakogawa)

- OE18-1 Extensive Left Atrial Low-voltage Areas during Initial Ablation Procedures were Associated with Poor Clinical Outcomes in spite of Multiple Procedures 3104
 Takashi Kanda (Cardiovascular Center, Kansai Rosai Hospital, Amagasaki)
- OE18-2 Impact of a Bi-directional High-density Mapping Catheter on Low-voltage Area Based Ablation after Pulmonary Vein Isolation in Non-paroxysmal Atrial Fibrillation 3105
 Koji Kumagai (Department of Cardiovascular Medicine, Tohoku Medical and Pharmaceutical University, Sendai)
- OE18-3 Border Zones of Low-voltage Area in Left Atrium Predict the Recurrence after Catheter Ablation for Persistent Atrial Fibrillation 3105
 Nobutaka Kato (Department of Cardiology, Hiratsuka Kyosai Hospital, Hiratsuka)
- OE18-4 Association between Slow Conduction Zone, Mean Bipolar Voltage, and Macroreentrant Atrial Tachycardia in Patients with Atrial Fibrillation 3106
 Takanori Yamaguchi (Department of Cardiovascular Medicine, Saga University, Saga)
- OE18-5 Detection and Quantification of Slow Conduction Zones in the Left Atrium: An Analysis in Patients with Atrial Fibrillation 3106
 Toyokazu Otsubo (Department of Cardiovascular Medicine, Saga University, Saga)
- OE18-6 Predictors of Recurrence after Catheter Ablation for Persistent Atrial Fibrillation with Low-voltage Area in Left Atrium 3107
 Nobutaka Kato (Department of Cardiology, Hiratsuka Kyosai Hospital, Hiratsuka)

Oral Abstract 19

CIED 1

9:00-17:00

Chairperson : Kitae Kim (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
 Chairperson : Yukiko Shimizu (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)

OE19-1	Long-term Outcome Following Cardiac Resynchronization Therapy with Triple-site Ventricular Stimulation	3108
	Michio Ogano (Department of Cardiovascular Medicine, Shizuoka Medical Center, Shizuoka)	
OE19-2	Longer R-R' Interval in Left Precordial Leads is Predictive of Clinical Response to CRT in Patients with LBBB	3109
	Yudai Yano (Department of Cardiology and Clinical Examination, Oita University Faculty of Medicine, Yufu)	
OE19-3	Lower Atrial and Brain Natriuretic Peptide Ratio Predicts Temporally High Pacing Threshold during Acute Phase in Patients Receiving Transvenous Defibrillators	3109
	Kojiro Ogawa (Department of Cardiology, Hitachi General Hospital, Hitachi, Ltd., Hitachi)	
OE19-4	Clinical Impact of Paced Electrical Parameters in Predicting Response to Cardiac Resynchronization Therapy and Clinical Outcomes	3110
	Nobuhiko Ueda (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)	
OE19-5	A Comparison of Effectiveness of Cardiac Resynchronization Therapy for Japanese Patients with Moderate Wide-QRS Duration and Wide-QRS Duration	3111
	Ryo Ito (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)	
OE19-6	Predict Factors of Late-responder in CRT Patients	3111
	Yoshifumi Ikeda (Department of Cardiology, Saitama Medical University International Medical Center, Hidaka)	

Oral Abstract 20

CIED 2

9:00-17:00

Chairperson : Toshiyuki Ishikawa (Department of Cardiology, Yokohama City University Hospital, Yokohama)
 Chairperson : Shingo Sasaki (Department of Cardiology, Hirosaki University Graduate School of Medicine, Hirosaki)
 Discussant : Akira Shimane (Himeji Cardiovascular Center, Himeji)
 Discussant : Takeshi Harita (Department of Cardiology, Tenri Hospital, Tenri)

OE20-1	Guideline for Patients with Cardiac Implantable Electronic Devices Treated with Radiation Therapy	3112
	Toshinori Soejima (Department of Radiation Oncology, Kobe Proton Center, Kobe)	
OE20-2	Usefulness and Notes of Implantable Cardioverter Defibrillator with Continuous ST-monitoring Function	3113
	Tetsuya Watanabe (Division of Cardiology, Osaka General Medical Center, Osaka)	
OE20-3	Risk Stratification by the 2018 JCS Guideline in Japanese Defibrillator Patients with Ischemic Heart Disease in the Nippon Storm Study	3113
	Yusuke Kondo (Department of Advanced Cardiorhythm Therapeutics, Chiba University Graduate School of Medicine, Chiba)	
OE20-4	Neurological Prognosis at 1-month as an Estimator of Functional Status at 1-year in Out-of-hospital Cardiac Arrest Patients with Post-resuscitation Encephalopathy	3114
	Giichi Nitta (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)	
OE20-5	Prognosis of Apical Hypertrophic Cardiomyopathy in Patients with an Implantable Cardioverter Defibrillator	3115
	Miyo Nakano (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)	
OE20-6	The Association between Mortality and Coronary Artery Lesions in Japanese Patients with Ischemic Heart Disease after CRTD Implantation -JID-CAD Study-	3115
	Tomoyuki Kabutoya (Division of Cardiovascular Medicine, ACHD Center, Shimotsuke)	

Oral Abstract 21

AF Registry/Epidemiology

9:00-17:00

Chairperson : Tetsuya Haruna (Kitano Hospital, Osaka)
 Chairperson : Kenji Yodogawa (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)
 Discussant : Yoshinao Sugai (Division of Cardiology, Faculty of Medicine, Tohoku Medical and Pharmaceutical University, Sendai)
 Discussant : Kenji Yodogawa (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

OE21-1	Impact of Baseline Blood Pressure on Adverse Outcomes in Japanese Patients with Non-Valvular Atrial Fibrillation: The J-RISK AF	3116
	Eitaro Kodani (Department of Internal Medicine and Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo)	
OE21-2	Withdrawn	3117

- OE21-3 Use of Mobile-devices to Detect Undiagnosed Atrial Fibrillation (AF) in Japanese People at Moderate-to-high Risk of Stroke (SCAN-AF Study)- 3118
Yuji Murakawa (Teikyo University Hospital, Mizonokuchi, Kawasaki)
- OE21-4 Catheter Ablation vs. Medical Therapy for Atrial Fibrillation in the KICS AF Registry Using a Propensity Score Matching Analysis 3118
Yuta Seki (Department of Cardiology, Keio University School of Medicine, Tokyo)
- OE21-5 Is Atrial Fibrillation Recurrence after Ablation Really the Endpoint for the Patients?: Clinical Insights from the AF Frontier Ablation Registry 3119
Seina Yagyu (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)
- OE21-6 Age-related Difference in Features and Ablation Strategies in Atrial Fibrillation: Subanalysis of a Retrospective Multicenter Study (AF Frontier Ablation Registry) 3120
Koichi Nagashima (Division of Cardiology, Nihon University Itabashi Hospital, Tokyo)

Oral Abstract 22

AF Registry/Heart Failure

9:00-17:00

Chairperson : Hiroki Shimizu (Konan Medical Center, Kobe)

Chairperson : Takashi Yoshizawa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Discussant : Takashi Yoshizawa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE22-1 Different Impact of Atrial Fibrillation on Heart Failure Events by Age Groups: Shinken Database Analysis 3121
Tomoki Fujisawa (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE22-2 Prognostic Significance of Plasma Natriuretic Peptide Level in Atrial Fibrillation Patients without Heart Failure: The Fushimi AF Registry 3122
Yasuhiro Hamatani (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE22-3 Impact of Paroxysmal versus Sustained Atrial Fibrillation on Clinical Outcomes in Patients with Heart Failure: The Fushimi AF Registry 3122
Akiko Fujino (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE22-4 Effect of Atrial Fibrillation Ablation on Clinical Outcomes in Heart Failure Patients: a Pooled Analysis from the Two Multicenter Registries 3123
Satoshi Hayashida (Division of Cardiology, Nihon University Itabashi Hospital, Tokyo)
- OE22-5 Prognostic Impact of Hyperuricemia on the Incidence of Stroke and Heart Failure in Atrial Fibrillation Patients: The Fushimi AF Registry 3124
Yoshimori An (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE22-6 Association between Left Ventricular Hypertrophy and Progression from Paroxysmal to Sustained Atrial Fibrillation: The Fushimi AF Registry 3124
Yuji Tezuka (Kusatsu General Hospital, Kusatsu)

Oral Abstract 23

Electrocardiogram 2

9:00-17:00

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

Chairperson : Kenichi Sasaki (St. Marianna University School of Medicine, Kawasaki)

Discussant : Tomoyuki Kabutoya (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Shimotsuke)

Discussant : Yayoi Tsukada-Tetsuo (ER and General Medicine, Nippon Medical School Musashi-Kosugi Hospital, Tokyo)

- OE23-1 P-wave Vector Magnitude is Associated with the Left Atrial Low Voltage Area in Patients with Paroxysmal Atrial Fibrillation 3125
Yosuke Nakatani (Second Department of Internal Medicine, University of Toyama, Toyama)
- OE23-2 P Axis is an Electrocardiographic Marker for Recurrence after Catheter Ablation for Atrial Fibrillation 3126
Daisuke Wakatsuki (Division of Cardiology, Department of Internal Medicine, Showa University Fujigaoka Hospital, Yokohama)

- OE23-3 The Association between P-wave Duration and Incidence of Atrial Fibrillation in Patients with Permanent Pacemaker 3126
Yosuke Murase (Department of Cardiology, Komaki City Hospital, Aichi)
- OE23-4 The QRS Morphology Pattern in Synthesized V3R is the Excellent Parameter for Differentiating the Target Site of Posteroseptum Accessory Pathway 3127
Naoyuki Miwa (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE23-5 Impact of Clinical and Electrocardiographic Factors on 12-lead ECG Criterion for Predicting Outflow Tract Ventricular Arrhythmia Origin 3127
Tatsuya Hayashi (Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)
- OE23-6 Investigation of Signal-Averaged Magnetocardiography Measured by Multichannel 2 Sided Magnetocardiometer with Magneto-resistive Sensor Array 3128
Masahiro Sekigawa (Department of Cardiovascular Medicine, Tokyo Medical and Dental University Hospital, Tokyo)

Oral Abstract 24

Echo/Doppler 2

9:00-17:00

Chairperson : Yuji Itabashi (Department of Laboratory Medicine, Keio University School of Medicine, Tokyo)
Chairperson : Akira Yamada (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)
Discussant : Masumi Iwai-Takano (Department of Epidemiology/Division of Cardiovascular Surgery, Fukushima Medical University, Fukushima)

- OE24-1 Accumulation of Visceral Adiposity and Adverse Ventricular Mechanics in the Community 3129
Naoko Sawada (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)
- OE24-2 Diastolic Function Phenotyping by Machine Learning to Predict Clinical Outcomes in Heart Failure 3130
Tokuhisa Uejima (Department of Cardiology, The Cardiovascular Institute, Tokyo)
- OE24-3 3DStrain Imaging is Superior to 2DStrain Imaging to Predict Adverse Left Ventricular Remodeling and Short-term Prognosis after STEMI 3130
Noriaki Iwahashi (Division of Cardiology, Yokohama City University Medical Center, Yokohama)
- OE24-4 A Novel Echocardiographic Index of Response in Left Ventricular Function after Transcatheter Aortic Valve Replacement: Left Ventricular Stroke Work Index 3131
Shingo Tsujinaga (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)
- OE24-5 Arterial Stiffness and Subclinical Left Ventricular Dysfunction in the General Population 3132
Yuriko Yoshida (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)
- OE24-6 Withdrawn 3132

Oral Abstract 25

Echo/Doppler 3

9:00-17:00

Chairperson : Katsuomi Iwakura (Division of Cardiology, Sakurabashi Watanabe Hospital, Osaka)
Chairperson : Takeshi Hozumi (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
Discussant : Katsuji Inoue (Ehime University Graduate School of Medicine, Matsuyama)

- OE25-1 Increasing of Left Ventricular Wall Shear Stress and Diastolic Dysfunction after Endovascular Aortic Repair in Patients with Aortic Aneurysm 3133
Masumi Iwai-Takano (Division of Cardiovascular Surgery, Fukushima Medical University, Fukushima)
- OE25-2 Pulmonary Wave Reflection Predicts Early Decompensation in Heart Failure 3134
Hiromasa Hayama (Department of Cardiology, National Center for Global Health and Medicine, Tokyo)
- OE25-3 Differences in Functional Significance of Intra-Left-Ventricular Vortices between Normal Heart and Diseased Hearts 3134
Miwa Sarashina (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)
- OE25-4 Usefulness of Post Systolic Index in Detecting Patients with Unstable Angina Pectoris without Positive Ischemic Signs 3135
Kenji Masada (Department of Cardiovascular Medicine, Hiroshima Prefectural Hospital, Hiroshima)

- OE25-5 Reduction of Intraventricular Flow Energy Loss is Associated with Ventricular Recovery after Cardiac Resynchronization Therapy 3135
Kenji Maemura (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagami-hara)
- OE25-6 Utility of Superb Microvascular Imaging for Assessment of Foot Perfusion in Patients with Critical Limb Ischemia 3136
Yuta Suto (Department of Cardiovascular and Respiratory Medicine, Akita University School of Medicine, Akita)

Oral Abstract 26

Echo/Doppler 4

9:00-17:00

Chairperson : Haruhiko Abe (National Hospital Organization Osaka National Hospital, Osaka)
Chairperson : Tomoko S. Kato (International University of Health and Welfare Mita Hospital, Department of Cardiology, Tokyo)
Discussant : Toshinari Onishi (Cardiovascular Center, Sakurabashi Watanabe Hospital, Osaka)
Discussant : Chinatsu Yamada (Nishinomiya Watanabe Cardiovascular Cerebral Center, Nishinomiya)

- OE26-1 Influence of Inferior Vena Cava -Patent Foramen Ovale Angle on Frequency and Severity of Right to Left Shunt 3137
Eiji Yamashita (Department of Cardiology, Gunma Prefectural Cardiovascular Center, Maebashi)
- OE26-2 Mechanisms of Exercise-Induced Changes in Mitral Regurgitation: A Three-Dimensional Transesophageal Echocardiography Study Using Handgrip Exercise 3138
Yu Harada (Department of Cardiology, Hiroshima University Hospital, Hiroshima)
- OE26-3 Morphological Analysis of Functional Tricuspid Regurgitation in Patients with Secundum Atrial Septal Defect Using Three-Dimensional Transthoracic Echocardiography 3138
Keitaro Shinada (Department of Cardiology, Keio University School of Medicine, Tokyo)
- OE26-4 H₂FPEF Score is a Predictor of Age-related Cardiovascular Events in Patients with Preserved Left Ventricular Ejection Fraction 3139
Eri Nakai (Division of Cardiology, Department of Medicine II, Kansai Medical University, Osaka)
- OE26-5 Phenotypic Spectrum of Heart Failure with Preserved Ejection Fraction 3139
Junyi Cho (The Cardiovascular Institute Hospital, Tokyo)
- OE26-6 Diaphragm Affects the Inferior Vena Cava Diameter to Estimate Right Atrial Pressure 3140
Yuichi Baba (Department of Cardiology and Geriatrics, Kochi Medical School, Kochi University, Kochi)

Oral Abstract 27

Atherosclerosis (Clinical/Diagnosis) 2

9:00-17:00

Chairperson : Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Koji Ohmori (Department of Cardiovascular Medicine, JCHO Ritsurin Hospital, Takamatsu)
Discussant : Yoshiaki Matsuo (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
Discussant : Masatsune Fujii (Department of Cardiology, Tokyo Medical University, Tokyo)

- OE27-1 Diagnostic Value of Intracoronary Polarimetry of Neoatherosclerosis and In-Stent Restenosis in Patients after Drug-Eluting Stent Implantation 3141
Kenichiro Otsuka (Wellman Center for Photomedicine, USA)
- OE27-2 Assessment of High Bleeding Risk by ARC-HBR Criteria for Patients Undergoing Endovascular Therapy for Critical Limb Ischemia 3142
Masafumi Mizusawa (Department of Cardiology, Saiseikai Yokohama-city Eastern Hospital, Yokohama)
- OE27-3 Utility of Controlling Nutritional Status Score for Long-term Clinical Outcome of Patients Undergoing Endovascular Therapy: Insights from the I-PAD Registry 3142
Daisuke Sunohara (Department of Cardiology, Nagano Municipal Hospital, Nagano)
- OE27-4 Secretion of CD40 Ligand from Platelet is Impaired in Critical Limb Ischemia Patients at Imminent Risk of Developing Cardiovascular Events 3143
Kaoru Tateno (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)
- OE27-5 Novel Diagnostic Approach for the Visualization of Intra-plaque Localization of Lipid-core in Vulnerable Plaques Using Color Mapped Coronary CT Angiography 3144
Aizan Hirai (Chiba Cerebral and Cardiovascular Center, Ichihara)
- OE27-6 Improvement of Endothelial Vasomotor Function and Brachial-Ankle Pulse Wave Velocity Reduces the Residual Risks for Patients with Coronary Artery Disease 3144
Takamitsu Nakamura (Department of Internal Medicine II, University of Yamanashi Hospital, Chuo)

Oral Abstract 28

Atherosclerosis (Clinical/Diagnosis) 3

9:00-17:00

Chairperson : Yutaka Furukawa (Kobe City Medical Center General Hospital, Kobe)

Chairperson : Noboru Ashida (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Discussant : Kaoru Tateno (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)

Discussant : Yuya Ide (Department of Cardiovascular Medicine/Preemptive Medicine and Lifestyle-Related Disease Research Center Kyoto University Hospital, Kyoto)

- OE28-1 Difference between Microcatheter and Pressure Wire-derived Fractional Flow Reserve and Its Relation to Optical Coherence Tomography-derived Parameters 3145
Yoshiki Matsuo (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
- OE28-2 Aortic Valve Calcification Predicts Subclinical Coronary Atherosclerosis in Heterozygous Familial Hypercholesterolemia Patients with High LP (a) Levels 3146
Akiko Sakai (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE28-3 Increased Plasma Level of Myosin Heavy Chain 11 is Associated with Atherosclerosis 3146
Lisa Takahashi (Department of Cardiology, Tokyo Medical University, Tokyo)
- OE28-4 Machine Learning can Predict What Kind of Patients should Receive Intensity LDL Therapy 3147
Takahisa Noto (Department of Cardiology, Imizu Municipal Hospital, Toyama)
- OE28-5 Usefulness of the SAGE Score for Assessment of Arterial Stiffness in Japanese Subjects 3147
Hirofumi Tomiyama (Department of Cardiology, Tokyo Medical University, Tokyo)
- OE28-6 Withdrawn 3148

Oral Abstract 29

Atherosclerosis (Clinical/Treatment) 1

9:00-17:00

Chairperson : Tetsu Watanabe (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)

Discussant : Saeko Takahashi (Shonan Kamakura General Hospital, Kamakura)

- OE29-1 Alirocumab Improve Coronary Plaque Vulnerability: First Randomized Control Trial to Assess the Effect of Alirocumab for Plaque Vulnerability 3149
Yoichiro Sugizaki (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE29-2 Withdrawn 3150
- OE29-3 Bariatric Surgery is Associated with Reduced Risk of Hospitalizations for Stable Angina Pectoris in Obese Adults 3150
Yuichi J. Shimada (Columbia University Medical Center, USA)
- OE29-4 The Difference between Acute Coronary Syndrome and Stable Ischemic Heart Disease from The Analysis of The Detailed Lipid Profile Data 3151
Taikan Terauchi (Department of Cardiology, Mito Kyodo Hospital, Mito)
- OE29-5 Withdrawn 3151
- OE29-6 Usefulness of Non High-density Lipoprotein Cholesterol for Prediction of Major Adverse Cardiovascular Events after Percutaneous Coronary Intervention 3152
Takashi Kitao (Department of Cardiology, Minoh City Hospital, Minoh)

Oral Abstract 30

Heart Failure (Pathophysiology) 2

9:00-17:00

Chairperson : Yoshihiro Himura (Tenri Hospital, Tenri)

Chairperson : Yasuhiro Maejima (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

Discussant : Moritake Iguchi (Department of Cardiology, Kyoto Medical Center, Kyoto)

Discussant : Hirokazu Kondoh (Department of Cardiology, Tenri Hospital, Tenri)

- OE30-1 Development of a Chronic Heart Failure Model by Renal Artery Stenosis-Induced Hypertension in Rats 3153
Meihua Li (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)

- OE30-2 Clinical Significance of Grading Left Ventricular Diastolic Function in Chronic Heart Failure 3154
Takamasa Satoh (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE30-3 Impact of Appetite Loss at Discharge on the Prognosis in Patients with Acute Decompensated Heart Failure 3154
Erika Yamamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE30-4 Role of PKM2/Oxidative DNA Damage Axis in the Pathogenesis of Right Ventricular Failure Associated with Pulmonary Arterial Hypertension 3155
Tsukasa Shimauchi (Pulmonary Hypertension and Vascular Biology Research Group of Quebec Heart and Lung Institute, Laval University, Canada)
- OE30-5 Associations of Hippocampal Perfusion with Cardiac Remodeling in Patients with Chronic Heart Failure 3155
Hideaki Suzuki (Department of Cardiovascular Medicine, Tohoku University Hospital, Sendai)
- OE30-6 Coordinated Elevation of Serum Concentration of FABP1 and FABP4, Liver and Adipose Tissue-derived Proteins, in Human and Murine Heart Failure 3156
Ryo Kawakami (Department of Cardiology, Gunma University Graduate School of Medicine, Maebashi)

Oral Abstract 31

Heart Failure (Pharmacotherapy) 1

9:00-17:00

Chairperson : Masaaki Hoshiga (Department of Cardiology, Osaka Medical College, Takatsuki)
Chairperson : Michiro Maruyama (Toyama Prefectural Central Hospital, Toyama)
Discussant : Kanae Su (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE31-1 The Incidence of Worsening Renal Failure on Long-Term Use of Tolvaptan in Patients with Congestive Heart Failure 3157
Yuta Watanabe (Uwajima City Hospital, Uwajima)
- OE31-2 Characterization of Tolvaptan Responder and Its Impact on the Outcome for Patients with Heart Failure in the Real World 3158
Yasuhiro Hitomi (Department of Cardiology, National Defence Medical College, Tokorozawa)
- OE31-3 Blood Urea Nitrogen and Hematocrit Predict the Therapeutic Response to Low-dose Tolvaptan in Patients with Heart Failure 3158
Aiko Takami (Division of Cardiovascular Medicine, Department of Molecular Medicine and Therapeutics, Faculty of Medicine, Tottori University, Yonago)
- OE31-4 Impact of Tolvaptan on Fluid Management in Heart Failure Patients with Cardiac Amyloidosis 3159
Atomu Tajima (Department of Cardiology, Aichi Medical University, Nagakute)
- OE31-5 Observational Report of the Prognostic Impact of Landiolol in Acute Heart Failure Patients Presenting Atrial Fibrillation with Rapid Ventricular Response 3159
Shota Shirotani (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE31-6 Effects of Sodium-Glucose Co-Transporter 2 Inhibitor on Left Ventricular Function in Heart Failure Patients with Type 2 Diabetes Mellitus 3160
Satoshi Oka (Department of Cardiology, Fujieda Municipal General Hospital, Fujieda)

Oral Abstract 32

Heart Failure (Pharmacotherapy) 3

9:00-17:00

Chairperson : Tatsuya Komaru (Department of Internal Medicine, Tohoku Medical and Pharmaceutical University, Faculty of Medicine, Sendai)
Chairperson : Shigeru Toyoda (Dokkyo Medical University Cardiovascular Medicine, Mibu)
Discussant : Kazuhiro Kobuke (Division of Cardiology, Kindai University Faculty of Medicine, Osaka)
Discussant : Tetsu Onishi (Himeji Cardiovascular Center, Himeji)

- OE32-1 Long-term Outcome of the Use of Inotropes and Vasodilators in the Contemporary Treatment of Acutely Decompensated Heart Failure 3161
Kazuza Nagao (Department of Cardiology, Osaka Red Cross Hospital, Osaka)
- OE32-2 Eosinophilia during the Treatment of Heart Failure with Using Cardiotonic Drugs 3162
Ayako Harima (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE32-3 Efficacy of Digitalis on Heart Failure with Reduced Ejection Fraction and Sinus Tachycardia under Administration of More than Two Catecholamines 3163
Toru Miyoshi (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

- OE32-4 The Impact of Multiple Medications on Long-term Prognosis in Patients with Acute Decompensated HF-insights from the KCHF Registry 3163
Neiko Ozasa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE32-5 Real-world Practice of Morphine Therapy for Refractory Dyspnea in End-stage Chronic Heart Failure Patients 3164
Juri Kawaguchi (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE32-6 Morphine Use during Palliative Care for Patients with Chronic Heart Failure 3164
Masayuki Gotou (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Oral Abstract 33

PCI 1

9:00-17:00

Chairperson : Masaharu Okada (Shiga General Hospital, Moriyama)
Chairperson : Nobuhiko Ogata (Ageo Central General Hospital, Ageo)
Discussant : Takashi Morita (Division of Cardiology, Osaka General Medical Center, Osaka)
Discussant : Koji Isodono (Cardiology, Japanese Red Cross Kyoto Daini Hospital, Kyoto)

- OE33-1 Diagnostic Reliability of Quantitative Flow Ratio Detecting Myocardial Ischemia Compared with Other Angiographic and Visual Estimated Indices 3166
Natsuko Satomi (Department of Cardiology, Ogikubo Hospital, Tokyo)
- OE33-2 Validation Study of Coronary Angiographic Fractional Flow Reserve 3167
Hiroyuki Omori (Department of Cardiology, Gifu Heart Center, Gifu)
- OE33-3 Evaluation of Intimal Coverage by Coronary Angioscope Stratifying by DES Types 3167
Shogo Haruki (Division of Cardiology, Heart Institute, Chiba Nishi General Hospital, Matsudo)
- OE33-4 The Outcome of Dissection Caused by Drug Coated Balloon for De Novo Lesions 3168
Toshihiko Kishida (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)
- OE33-5 The Effects of Calcified Lesions to Late Lumen Enlargement in Lesions Used Drug Coated Balloon 3168
Toshihiko Kishida (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)
- OE33-6 Feasibility of Transradial Multi-Vessel PCI in Both Left and Right Coronary Arteries by Using JL as a Multipurpose Guiding Catheter 3169
F. Aaysha Cader (Ibrahim Cardiac Hospital & Research Institute, Bangladesh)

Oral Abstract 34

PCI 2

9:00-17:00

Chairperson : Kan Zen (Kyoto Prefectural University of Medicine, Kyoto)
Chairperson : Ichiro Michishita (Yokohama Sakae Kyosai Hospital, Yokohama)
Discussant : Mitsuru Ishii (National Hospital Organization, Kyoto Medical Center, Department of Cardiology, Kyoto)
Discussant : Fumi Yamamoto (NHO Ureshino Medical Center, Ureshino)

- OE34-1 Impact of Triglyceride Glucose Index for Long-term Outcome of Coronary Artery Disease Patient. Sub-analysis of the SHINANO 5years Registry 3170
Shusaku Maruyama (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- OE34-2 Current Status of Percutaneous Coronary Intervention in Patients with Atrial Fibrillation: The Fushimi AF Registry 3171
Mitsuru Abe (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE34-3 Intracoronary Administration of Fasudil, a Selective Rho-kinase Inhibitor, Ameliorates PCI-related Refractory Myocardial Ischemia 3171
Yoku Kikuchi (Departments of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE34-4 The Prognostic Impact of Bleeding and Ischemic Events on Mortality in Atrial Fibrillation Patients Underwent Percutaneous Coronary Intervention 3172
Akihiro Osada (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE34-5 Feasibility of Coronary Angiography and Intervention after Transcatheter Aortic Valve Implantation 3173
Makoto Takamatsu (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE34-6 Frequency and Predictors of Radial Artery Occlusion after Coronary Procedure through Transradial Approach: A Vascular Doppler-guided Study 3173
Mohammad Abdul Matin (National Institute of Cardiovascular Diseases, Bangladesh)

Oral Abstract 35

PCI Complex Lesions 1

9:00-17:00

Chairperson : Yutaka Hikichi (Department of Cardiovascular Medicine, Saga University, Saga)
 Chairperson : Yoshinobu Murasato (Department of Cardiology, National Hospital Organization Kyushu Medical Center, Fukuoka)
 Discussant : Masahiro Koide (Kyoto Okamoto Memorial Hospital, Department of Cardiovascular Medicine, Kyoto)
 Discussant : Hiromasa Katoh (Department of Cardiology, Cardiovascular Center, Fukui Prefectural Hospital, Fukui)

- OE35-1 Our New Modified Jailed Balloon Technique can Reduce Side Branch Occlusion Easily after Main Vessel Stenting in Coronary Bifurcation Lesions 3174
 Toru Tagashira (Department of Cardiology, Kita-harima Medical Center, Ono)
- OE35-2 Impact of Drug-coated Balloon Inflation for Side Branched with a Main Branch Stenting 3175
 Akihiro Ikuta (Department of Cardiology, Kurashiki Central Hospital, Okayama)
- OE35-3 Angiographic and Clinical Outcomes of Paclitaxel-coated Balloon for the Treatment of Side Branches in Non-left Main True Bifurcations 3175
 Yasuaki Hada (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)
- OE35-4 Clinical Outcomes of Second-Generation Drug-Eluting-Stent Implantation for Left Main Coronary Artery Disease in Patients with Stable Ischemic Heart Disease 3176
 Takayuki Nakano (Hiroshima City Hiroshima Citizens Hospital, Hiroshima)
- OE35-5 Prognostic Impact of Left Ventricular Ejection Fraction after Unprotected Left Main Coronary Artery Stenting Using Second Generation Drug Eluting Stent 3177
 Kohei Osakada (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE35-6 Impact of Jailed Balloon Technique on Procedural and In-hospital Outcome in Coronary Stent Implantation for Bifurcated Lesions 3177
 Toshinori Higashikata (Department of Cardiovascular Medicine, Komatsu Municipal Hospital, Komatsu)

Oral Abstract 36

PCI Debulking

9:00-17:00

Chairperson : Yukiko Morita (Department of Cardiology, National Hospital Organization Sagami National Hospital, Sagami)
 Chairperson : Yuji Hamazaki (Division of Cardiology, Ootakanomori Hospital, Kashiwa)
 Discussant : Yoshiaki Matsuo (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
 Discussant : Atsushi Funatsu (Cardiovascular Center, Kyoto Katsura Hospital, Kyoto)

- OE36-1 The Comparison of Removed Plaque by Directional Coronary Atherectomy between the Findings of Intravascular Imaging Devices and Histopathological Examination 3178
 Yoshihiro Nishimura (Department of Cardiology, Tokyo Metropolitan Tama Medical Center, Tokyo)
- OE36-2 Is Crossability of the Classic Crown with the Glide Assist Superior to the Micro Crown in the Diamondback 360 System? 3179
 Masaomi Gohbara (Department of Medical Science and Cardioresenal Medicine, Yokohama City University Graduate School of Medicine, Yokohama)
- OE36-3 Prediction of the Debulking Segment by Rotational Atherectomy on Pre-Procedural Intravascular Ultrasound Imaging 3179
 Kenta Hashimoto (Department of Medicine 2, Kansai Medical University Division of Cardiology, Nephrology, and Endocrinology and Metabolism, Hirakata)
- OE36-4 Chronic Vascular Response after Directional Coronary Atherectomy Followed by Drug Coated Balloon Treatment; Serial Volumetric Intravascular Ultrasound Examination 3180
 Tetsuya Yamamoto (Department of Cardiology, Himeji Cardiovascular Center, Himeji)
- OE36-5 Withdrawn 3180
- OE36-6 Clinical Experience and Technical Pearls of New Model Rotablator (=RotaPro) Including Ad Hoc Strategy 3181
 Takuma Sano (Division of Cardiology, Heart Institute, Chiba Nishi General Hospital, Chiba)

Oral Abstract 37

ACS (Clinical/Diagnosis) 3

9:00-17:00

Chairperson : Toru Kataoka (Belland General Hospital, Sakai)
 Chairperson : Takeshi Aoyama (Shimada Municipal Hospital, Shimada)
 Discussant : Takafumi Yamane (Nishinomiya Watanabe Cardiovascular Center, Nishinomiya)
 Discussant : Kenichi Ishizu (Kokura Memorial Hospital, Department of Cardiovascular Medicine, Kitakyushu)

- OE37-1 Withdrawn 3182
- OE37-2 How should We Control Low-density Lipoprotein Cholesterol Levels in Super Elderly Patients That Develop Acute Coronary Syndrome? 3183
 Mikio Shigehara (National Hospital Organization Kure Medical Center and Chugoku Cancer Center, Kure)
- OE37-3 Impact of Relationship between Culprit Lesion Morphology and Hypercholesterolemia in the Elderly Patients with ST-Segment Elevation Myocardial Infarction 3183
 Yoshikuni Kobayashi (Department of Cardiology, Yokohama Rousai Hospital, Kanagawa)
- OE37-4 Clinical Outcomes of Hemodialysis Patients with Acute Coronary Syndrome Undergoing Primary Percutaneous Coronary Intervention 3184
 Hirohide Matsuura (Department of Cardiology, Japanese Red Cross Fukuoka Hospital, Fukuoka)
- OE37-5 Impact of Chronic Hemodialysis on Short- and Long-term Outcome in Patients with Acute Myocardial Infarction 3184
 Hirota Kida (Department of Cardiology, Osaka University School of Medicine, Suita)
- OE37-6 Clinical Impact of Initial Serum Albumin for Mid-term Outcome in Patients with Acute Myocardial Infarction 3185
 Goro Yoshioka (Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)

Oral Abstract 38

ACS (Clinical/Diagnosis) 4

9:00-17:00

Chairperson : Masashi Kato (Mitsubishi Kyoto Hospital, Kyoto)
 Chairperson : Kensuke Nishimiya (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
 Discussant : Toru Miyoshi (Department of Cardiovascular Medicine, Okayama University Hospital, Okayama)

- OE38-1 Long-year Follow-up of Acute Myocardial Infarction with Preserved Initial LVEF: Prognostic Impact of Progressively Reduced LVEF 3186
 Goro Yoshioka (Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)
- OE38-2 Prognostic Impact of Right Ventricular Overload in Patients with Acute Coronary Syndrome 3187
 Toru Sato (Department of Cardiology, Mie University School of Medicine, Tsu)
- OE38-3 Prognostic Value of Right Ventricular Branches Slow-Flow Phenomenon after Percutaneous Coronary Intervention for Acute Coronary Syndrome in the Right-Coronary-Artery 3188
 Koshi Setoyama (The 2nd Department of Internal Medicine, University Occupational and Environmental Health, Kitakyushu-Shi)
- OE38-4 Association between Change of BNP Value and Long-term Outcomes in Acute Coronary Syndrome Patients Who Undergoing Primary Percutaneous Coronary Interventions 3188
 Norihito Takahashi (Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)
- OE38-5 Prognostic Impact of Initial Serum Albumin for Newly Developing Heart Failure after Acute Myocardial Infarction 3189
 Goro Yoshioka (Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)
- OE38-6 Impact of Myocardial Blush Grade on In-Hospital Outcome after Primary Percutaneous Coronary Intervention 3190
 Md Minhaj Arefin (National Institute of Cardiovascular Diseases, Bangladesh)

Oral Abstract 39

ACS (Clinical/Treatment) 1

9:00-17:00

Chairperson : Hirotohi Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Chairperson : Ryuzo Nawada (Department of Cardiology, Shizuoka City Shizuoka Hospital, Shizuoka)
 Discussant : Norihiro Kogame (Department of Cardiology, Toho University Medical Center Ohashi Hospital, Tokyo)
 Discussant : Isao Aburadani (Kurobe City Hospital, Kurobe)

- OE39-1 Importance of Helicopter Transport for Patients with Acute Coronary Syndrome in Rural Areas (Report from Mie ACS Registry) 3191
Masaki Ishiyama (Department of Cardiology and Nephrology, Mie University Graduate School of Medicine, Tsu)
- OE39-2 The Incidence, Characteristics, and Mid-term Outcome of Sustained Ventricular Tachycardia and Fibrillation in Patients with AMI Treated with Primary PCI 3192
Kenji Hanada (Department of Cardiology, Hirosaki University Graduate School of Medicine, Hirosaki)
- OE39-3 Revascularization by Percutaneous Coronary Intervention in ST-segment Elevation Myocardial Infarction Patients with Out-of-hospital Cardiac Arrest 3192
Giichi Nitta (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)
- OE39-4 Withdrawn 3193
- OE39-5 Shorter Door-to-balloon Time, Better Long-term Clinical Outcomes in STEMI Patients: J-MINUET Substudy 3194
Ryouta Nishio (Department of Cardiology, Juntendo University Shizuoka Hospital, Izunokuni)
- OE39-6 Long-term Outcomes in Acute Myocardial Infarction Patients with Cardiogenic Shock: A Landmark Sub-analysis from J-MINUET Registry 3195
Hideki Wada (Juntendo University Shizuoka Hospital, Izunokuni)

Oral Abstract 40

ACS (Clinical/Treatment) 2

9:00-17:00

Chairperson : Yasuhide Asaumi (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
Chairperson : Mamoru Toyofuku (Japanese Red Cross Wakayama Medical Center, Wakayama)
Discussant : Masashi Kato (Mitsubishi Kyoto Hospital, Kyoto)

- OE40-1 Myocardial Salvage after ST-Segment-Elevation Myocardial Infarction: Comparison between Prasugrel and Clopidogrel in the Presence or Absence of High-Residual Platelet Reactivity 3196
Ruka Yoshida (Department of Cardiology, Japanese Red Cross Nagoya Daini Hospital, Nagoya)
- OE40-2 Impact of High-dose Statin on 2-year Cardiovascular Outcomes in Patients with ST-elevation Acute Myocardial Infarction 3197
Takenobu Shimada (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE40-3 Predictors of Major Adverse Cardio-Cerebrovascular Events and Bleeding Events after Percutaneous Coronary Intervention for Acute Myocardial Infarction: Results from Shiga-AMI-registry 3197
Teruki Takeda (Department of Cardiology, Koto Memorial Hospital, Higashiomi)
- OE40-4 Impact of PRECISE-DAPT Score on Long-term Prognosis in Patients with Acute Myocardial Infarction 3198
Takuya Ando (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE40-5 Frequency of Disappearance in Left Ventricular Thrombus and Systemic Embolism Following Acute Myocardial Infarction Treated Primary Percutaneous Coronary Intervention 3199
Taishi Miyata (Department of Cardiology, Himeji Cardiovascular Center, Himeji)
- OE40-6 Calculated Plasma Volume Status Provides Additional Prognostic Value to GRACE Score in Patients with Acute Myocardial Infarction 3199
Tsutomu Kawai (Division of Cardiology, Osaka General Medical Center, Osaka)

Oral Abstract 41

TAVI 2

9:00-17:00

Chairperson : Masaru Kuroda (Akashi Medical Center, Akashi)
Chairperson : Yasuhiro Ichibori (Department of Cardiology, Osaka Police Hospital, Osaka)
Discussant : Takashi Yamamoto (Shiga University of Medical Science, Department of Cardiovascular Medicine, Otsu)

- OE41-1 Higher Mortality Rate in Patients with Low Serum Level of High Density Lipoprotein Cholesterol (HDL-C) Following Transcatheter Aortic Valve Implantation 3200
Takehiro Funamizu (Department of Cardiovascular Medicine, Juntendo University School of Medicine, Tokyo)
- OE41-2 Difference of Blood Coagulation Status after Transcatheter Aortic Valve Implantation with between Self Expanding Valve and Balloon Expandable Valve 3201
Taiga Katayama (Department of Cardiology, Teikyo University, Tokyo)

- OE41-3 **Withdrawn** 3201
- OE41-4 **Impact of Immunosuppressive Therapy on Clinical Outcomes of Severe Aortic Stenosis Treated with Transcatheter Aortic Valve Implantation** 3202
Toshiki Kaihara (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)
- OE41-5 **Impact of Surgical Risk Scores on Mid-Term Clinical Outcomes of Transcatheter Aortic Valve Implantation** 3202
Shinichi Shirai (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE41-6 **Effect of Mild Paravalvular Leak on Left Ventricular Remodeling One Year after Transcatheter Aortic Valve Replacement** 3203
Yoshio Maeno (Department of Cardiology, Ageo Central General Hospital, Ageo)

Oral Abstract 42

Mitral Valve 1

9:00-17:00

Chairperson : Yasushi Takagi (Fujita Health University, Toyoake)
Chairperson : Saeko Takahashi (Shonan Kamakura General Hospital, Kamakura)
Discussant : Yasuaki Takeji (Department of Cardiology, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Hisayo Yasuda (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medicine, Kagoshima University, Kagoshima)

- OE42-1 **Clinical Outcomes and Predictors of Adverse Cardiac Events in Medically Treated Patients with Atrial Functional Mitral Regurgitation** 3204
Kitae Kim (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
- OE42-2 **The Impact of Small Left Ventricle for Transcatheter Mitral Valve Repair** 3205
Shingo Kuwata (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)
- OE42-3 **Acute Hemodynamic Changes after Edge to Edge Repair in Patients with Severe Mitral Regurgitation** 3205
Shuhei Tanaka (2nd Department of Internal Medicine, University of Toyama, Toyama)
- OE42-4 **Safety and Efficacy of MitraClip Procedure for Japanese Patients with Functional and Degenerative Mitral Regurgitation** 3206
Michiko Yoshizawa (Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Iwate)
- OE42-5 **Determinants of the Improvement of Atrial Functional Mitral Regurgitation after Catheter Ablation: Analysis of Multislice Computed Tomography and Transthoracic Echocardiography** 3206
Yuta Tsujisaka (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
- OE42-6 **Impact of Left Atrial Pressure on Long-term Outcomes in Patients Treated with Transcatheter Mitral Valve Repair** 3207
Hiroki Niikura (Department of Cardiology, Toho University, Ohashi Medical Center, Tokyo)

Oral Abstract 43

Mitral Valve 2

9:00-17:00

Chairperson : Hirotugu Fukuda (Dokkyo Medical University, Department of Cardiac and Vascular Surgery, Mibu)
Chairperson : Keita Odashiro (Kyushu Central Hospital Cardiovascular Medicine, Fukuoka)
Discussant : Mariko Yano (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
Discussant : Toshiaki Toyota (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)

- OE43-1 **Mechanism of Posterior Mitral Leaflet Tethering after Mitral Valve Plasty for Degenerative Mitral Regurgitation** 3208
Hiroki Okamoto (Department of Cardiology, Tenri Hospital, Tenri)
- OE43-2 **Baseline Mitral Valve Orifice Area and Procedural Outcomes after Transcatheter Mitral Valve Repair Using MitraClip** 3209
Keigo Miyajima (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE43-3 **'Dual Repair' Surgery for Functional Mitral Regurgitation with Dilated Cardiomyopathy, Focusing on a Ventricular Treatment** 3209
Masashi Komeda (Department of Cardiovascular Surgery, Iseikai Hospital, Osaka)

- OE43-4 **Withdrawn** 3210
- OE43-5 **The Short-term Multi-effects after of MitraClip Implantation** 3210
Daijiro Tomii (Division of Cardiology, Mitsui Memorial Hospital, Tokyo)
- OE43-6 **Antero-posterior Diameter of Mitral Annulus after Mitral Annular Plasty Predicts Recurrent Atrial Functional Mitral Regurgitation with Bending of Posterior Wall** 3211
Masumi Iwai-Takano (Department of Epidemiology, Fukushima Medical University, Fukushima)

Oral Abstract 44

Valvular Heart Disease

9:00-17:00

Chairperson : Natsuhiko Ehara (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
Chairperson : Shinobu Hosokawa (Tokushima Red Cross Hospital, Tokushima)
Discussant : Akira Funada (Osaka Saiseikai Senri Hospital, Department of Cardiology, Suita)
Discussant : Naritatsu Saito (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE44-1 **Risk Stratification of Clinical Outcomes in Patients with Severe Tricuspid Regurgitation: Pathophysiologic Aspects as Cardiorenal Syndrome** 3212
Shoko Nakagawa (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE44-2 **Tricuspid Annular Area and Septum Leaflet Stretch are Associated with Functional Tricuspid Regurgitation -Insights from Three-Dimensional Transesophageal Echocardiography-** 3213
Asahiro Ito (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- OE44-3 **Comparison between Healthcare-associated and Community-acquired Infective Endocarditis at Tertiary Care Hospitals in Japan** 3213
Masao Daimon (Department of Clinical Laboratory, The University of Tokyo, Tokyo)
- OE44-4 **Isometric Hand Grip Exercise Testing in Right Sided Heart Catheterization for Patients with Aortic Valve Stenosis** 3214
Hiroki Okamoto (Department of Cardiology, Tenri Hospital, Tenri)
- OE44-5 **Osmotic Regulation of Plasma Arginine Vasopressin Level in Patients with Aortic Stenosis and Heart Failure** 3214
Hiroyuki Kuwahara (Department of Second Medicine, Toyama University, Toyama)
- OE44-6 **The Efficacy and Safety of Hemostasis by Using Combination ProGlide and Angio-Seal in Trans-femoral Transcatheter Aortic Valve Implantation** 3215
Koki Shishido (Department of Cardiology, Shonan Kamakura General Hospital, Kamakura)

Oral Abstract 45

CT/MRI (Coronary/Vascular) 1

9:00-17:00

Chairperson : Hiroshi Satoh (Cardiology Department, Fujinomiya City Hospital, Fujinomiya)
Chairperson : Tadashi Miyamoto (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)
Discussant : Akira Kurata (Dept. of Radiology, Ehime University Graduate School of Medicine, Matsuyama)
Discussant : Kazuhiro Kobuke (Division of Cardiology, Kindai University Faculty of Medicine, Osaka)

- OE45-1 **Pre-PCI Pericoronary Inflammation Predicts Global Coronary Flow Reserve after Urgent Revascularization in Patients with NSTEMI-ACS** 3216
Yoshihisa Kanaji (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE45-2 **The Association between Coronary Artery Calcium Score on Non-cardiac Chest Computed Tomography, ACM and MACE among Patients with Heart Failure** 3217
Kyoko Ohta (Division of Cardiovascular Medicine, Department of Internal Medicine, Toho University Faculty of Medicine, Tokyo)
- OE45-3 **The Impact of Statin Therapy on Coronary Artery Calcium Score and Pericoronary Adipose Tissue** 3217
Toru Misawa (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE45-4 **Correlation of Epicardial Fat Volume with Coronary Artery Disease: Risk Stratification Using Suita Score and Factors Affecting Coronary Plaques** 3218
Jun Kuribara (Department of Cardiology, Gunma Prefectural Cardiovascular Center, Maebashi)
- OE45-5 **The Prevalence and Variations of Anomalous Aortic Origin of the Coronary Artery in Adulthood Detected by Multidetector Computed Tomography** 3218
Kohei Osakada (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)

- OE45-6 Associations between Psoas Major Muscle Index and The Presence or Severity of Coronary Artery Disease 3219
 Tomoki Imaizumi (Department of Cardiology, Fukuoka University School of Medicine, Fukuoka)

Oral Abstract 46

CT/MRI (Coronary/Vascular) 2

9:00-17:00

Chairperson : Yoshiyuki Kijima (Japan Community Healthcare Organization Hoshigaoka Medical Center, Osaka)
 Chairperson : Tadashi Miyamoto (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)
 Discussant : Yoshihiro Takeda (Osaka Medical College, Department of Cardiology, Takatsuki)
 Discussant : Kenji Fukushima (Saitama Medical University International Medical Center, Saitama)

- OE46-1 Impact of Pericoronary Adipose Tissue Inflammation on Left Ventricular Hypertrophy and Physiological Indices in Patients with Coronary Artery Disease 3220
 Hidenori Hirano (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE46-2 Plaque Characteristics on CTA and Cardiac Events in Deferred Lesions by Invasive FFR 3221
 Reina Ozaki (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE46-3 The Association between Calcium Score and All-cause Death in Patients Receiving a Screening for Ischemic Heart Disease 3221
 Hiroko Oshio (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE46-4 Impact of Coronary Plaque Characteristics on Periprocedural Myocardial Injury in Elective Coronary Stenting -MDCT and CMR Analysis- 3222
 Kyohei Usami (Tsukuba University Hospital, Tsukuba)
- OE46-5 Comparison of Fractional Myocardial Mass, a Vessel-specific Myocardial Mass-at-risk, with Coronary Angiographic Scoring Systems for Predicting Myocardial Ischemia 3222
 Jin-Ho Choi (Samsung Medical Center, Korea)
- OE46-6 Coronary Inflammation Assessed by Pericoronary Adipose Tissue Attenuation on Computed Tomography Angiography Predicts Atrial Fibrillation Recurrence after Cryoballoon Ablation 3223
 Kai Nogami (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)

Oral Abstract 47

Nuclear Imaging (Coronary/Myocardium)

9:00-17:00

Chairperson : Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Kenji Goto (Fukuyama Cardiovascular Hospital, Department of Cardiology, Fukuyama)
 Discussant : Kenji Onoue (Nara Medical University, Cardiovascular Medicine, Nara)

- OE47-1 Impact of Revascularization on Outcomes was not Different between SPECT First and CT First Strategies for Suspected Coronary Artery Disease 3224
 Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE47-2 Prediction Formula by Using the SmartMIBG-HF Software is Useful for Predicting Major Adverse Cardiac Events in ST-Elevation Myocardial Infarction Patients 3225
 Shinya Takahashi (Department of Cardiology, Takasaki General Medical Center, Takasaki)
- OE47-3 Prevalence and Clinical Features of Cardiac Amyloidosis in Elderly Heart Failure Patients Underwent 99m-Tc-Technetium Pyrophosphate Scintigraphy 3226
 Michitomo Kawahito (Department of Cardiology, Shizuoka City Shizuoka Hospital, Shizuoka)
- OE47-4 I-125-OI5V Imaging Visualized Augmented Sigma-1 Receptor Expression by Myocardial Ischemia and Reperfusion 3226
 Junichi Taki (Department of Nuclear Medicine, Kanazawa University School of Medicine, Kanazawa)
- OE47-5 Myocardial Viability with Chronic Total Occlusion Assessed by a Hybrid Positron Emission Tomography/Magnetic Resonance Imaging 3227
 Takatoyo Kiko (Fukushima Medical University, Department of Cardiovascular Medicine, Fukushima)
- OE47-6 Clinical Significance of 123I-BMIPP Washout Rate in the Triglyceride Deposit Cardiomyovascularopathy Era for Heart Failure Patients 3228
 Chihiro Aoshima (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)

Oral Abstract 48

Nuclear Imaging (PET/Others) 1

9:00-17:00

Chairperson : Keiichiro Yoshinaga (Diagnostic and Therapeutic Nuclear Medicine, National Institute of Radiological Sciences, Chiba)

Chairperson : Masayoshi Sarai (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)

Discussant : Seita Yamasaki (Tenri Hospital, Department of Cardiology, Tenri)

Discussant : Atsushi Kobayashi (Sakakibara Heart Institute, Department of Cardiology, Fuchu)

- OE48-1 Relationship between Coronary Arterial ^{18}F -Sodium Fluoride Uptake and Epicardial Adipose Tissue Analyzed Using Computed Tomography 3229
Toshiro Kitagawa (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE48-2 CXCR4 on Atherosclerotic Plaque Endothelium Predicts the Magnitude of Monocyte Recruitment and is Readily Targeted by PET Tracers 3230
Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto/Department of Pathology and Immunology, Washington University School of Medicine, USA)
- OE48-3 Cardiac Amyloid PET Imaging with ^{18}F -florbetapir in Patients with Alzheimer's Disease and Diastolic Left Ventricular Dysfunction 3230
Emi Tateishi (Department of Radiology, National Cerebral and Cardiovascular Center, Suita)
- OE48-4 The CCR2 Targeting Peptide-based PET Tracer, ^{64}Cu -DOTA-ECL1i can Non-invasively Visualize Monocytes and Inflammatory Macrophages in Atherosclerotic Plaque 3231
Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto/Department of Pathology and Immunology, Washington University School of Medicine, USA)
- OE48-5 Predictive Model Construction for Cardiac Prognosis in Patients with Congestive Heart Failure by Machine Learning on Dual-isotope Myocardial Semiconductor SPECT 3231
Masato Shimizu (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)
- OE48-6 Clinical Value of Left Ventricular Mechanical Dyssynchrony Induced by Exercise or Pharmacological Stress in Patients with Normal Myocardial Perfusion SPECT 3232
Tomohiko Sakatani (Department of Cardiology, Japanese Red Cross Kyoto Daini Hospital, Kyoto)

Oral Abstract 49

Cerebrovascular Circulation/Stroke 1

9:00-17:00

Chairperson : Takatoshi Hayashi (Hyogo Prefectural Awaji Medical Center, Department of Cardiology, Sumoto)

Chairperson : Seiji Takatsuki (Department of Cardiology, Keio University School of Medicine, Tokyo)

Discussant : Yasuhiro Yoshiga (Yamaguchi University Graduate School of Medicine, Ube)

Discussant : Tomoyuki Umemoto (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

- OE49-1 Stroke Events in Patients with Discontinuation of Anticoagulation after Catheter Ablation of Atrial Fibrillation: Subanalysis from AF Frontier Ablation Registry 3233
Keisuke Usuda (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
- OE49-2 Correlation between Electrocardiographic Changes and Severity Classification of Subarachnoid Hemorrhage 3234
Takao Yuba (Department of Cardiology, Tokyo Metropolitan Bokutoh Hospital, Tokyo)
- OE49-3 Clinical Risk Predictors for Atrial Fibrillation Detection by Insertable Cardiac Monitor in Patients with Embolic Stroke of Undetermined Source 3235
Kosuke Yoshikawa (Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo)
- OE49-4 Impact of Renal Dysfunction on Embolic Stroke Events in Patients with a Cardiac Implantable Electronic Device 3235
Miyo Nakano (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)
- OE49-5 Incidence of Silent Thromboembolism during Catheter Ablation of Atrial Fibrillation among 4 Types of Ablation Devices 3236
Michifumi Tokuda (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- OE49-6 Introduction of Morphological Stroke Risk Factors of PFO (MorPFO) Score for Identification of High-stroke-risk PFO Channels 3236
Mateusz Holda (Jagiellonian University Medical College, Poland)

Oral Abstract 50

Metabolic Syndrome

9:00-17:00

Chairperson : Tohru Ohama (Osaka University Graduate School of Medicine, Department of Cardiovascular Medicine, Suita)
 Chairperson : Takahiro Horie (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Kotaro Kanno (Cardiovascular Medicine, Osaka University Graduate School of Medicine, Lipid and Atherosclerosis Research Group, Suita)
 Discussant : Hiroshi Iwata (Juntendo University Graduate School of Medicine, Department of Cardiovascular Medicine, Tokyo)

- OE50-1 Withdrawn 3237
- OE50-2 Withdrawn 3238
- OE50-3 Circulating Pro-fibrotic Protein Promotes Fibrosis in Liver and Heart 3238
 Yung-Ting Hsiao (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- OE50-4 A Selective PPAR A Modulator, Pemafibrate Reduced Hepatic Cholesterol Accumulation and Inflammatory Cell Infiltration in Atherogenic-diet Induced Steatohepatitis Mouse Model 3239
 Kotaro Kanno (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE50-5 GPNMB is Novel Protective Factor in Obesity-related Metabolic Disorders by Modulating Inflammation in White Adipose Tissue via Macrophage CD44 Receptor 3239
 Adam Prabata (Division of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE50-6 A Novel Senolytic Drug, Seno-7284 Ameliorates Age-related Cardiometabolic Diseases 3240
 Goro Katsuomi (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)

Oral Abstract 51

Pulmonary Circulation 1

9:00-17:00

Chairperson : Hideyuki Kinoshita (Department of Community Medicine Supporting System, Kyoto University Graduate School of Medicine, Kyoto)
 Chairperson : Toshikazu Jinnai (Japanese Red Cross Otsu Hospital, Otsu)
 Discussant : Hiromu Yanagisawa (Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto)

- OE51-1 Endothelial Cell Premature Senescence Promotes the Development of Pulmonary Arterial Hypertension 3241
 Risa Ramadhani (Division of Cardiovascular, Kobe University Graduate School of Medicine, Kobe)
- OE51-2 Fam13a is Involved in the Pathological Vascular Remodeling in Pulmonary Arterial Hypertension through Modulating Endothelial-to-mesenchymal Transition 3242
 Pranindya Rinastiti (Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE51-3 Comparative Transcriptome Analysis Identifies Cell-to-Cell Adhesion as a Novel Pathway for Occlusive Pulmonary Artery Neointima Formation in Sugen/Hypoxia Rats 3242
 Hirofumi Sawada (Department of Anesthesiology and Critical Care Medicine, Mie University School of Medicine, Tsu)
- OE51-4 Long Non-coding RNA H19 Promotes Right Ventricular Failure Associated with Pulmonary Arterial Hypertension 3243
 Junichi Omura (Pulmonary Hypertension and Vascular Biology Research Group of Quebec Heart and Lung Institute, Laval University, Canada)
- OE51-5 A Novel Three-dimensional Visualization System Demonstrates an Essential Adaptive Angiogenic Response in the Early Phase of Pulmonary Hypertension 3243
 Takayuki Fujiwara (Department of Therapeutic Strategy for Heart Failure, Graduate School of Medicine, The University of Tokyo, Tokyo)
- OE51-6 Hyperuricemia Impaired the Bioavailability of Nitric Oxide and Deteriorated Pulmonary Arterial Hypertension in Rats 3244
 Takanori Watanabe (Department of Cardiovascular Medicine, Kyushu University Graduate School of Medicine, Fukuoka)

Oral Abstract 52

Pulmonary Circulation 2

9:00-17:00

Chairperson : Kenji Moriuchi (National Cerebral and Cardiovascular Center, Suita)
 Chairperson : Hiromi Matsubara (National Hospital Organization Okayama Medical Center, Okayama)
 Discussant : Takahisa Kondo (Nagoya University Graduate School of Medicine, Department of Advanced Medicine in Cardipulmonary Disease, Nagoya)
 Discussant : Kazuhiko Nakazato (Cardiovascular Medicine, Fukushima Medical University, Fukushima)

- OE52-1 **Epigenetic Effects of Hypoxia on Pathological Changes of SMCs from PAH with BMPR2 Mutation** 3245
 Kazufumi Nakamura (Department of Cardiovascular Medicine, Okayama University, Okayama)
- OE52-2 **Withdrawn** 3246
- OE52-3 **Characteristics of Energy Metabolism in Pulmonary Artery Smooth Muscle Cells from Patients with Idiopathic Pulmonary Arterial Hypertension** 3246
 Satoshi Akagi (Department of Cardiovascular Medicine, Okayama University, Okayama)
- OE52-4 **Identification of Celastrol as a Novel Therapeutic Agent for Pulmonary Arterial Hypertension and Right Ventricular Failure through Suppression of Basigin/Cyclophilin A** 3247
 Ryo Kurosawa (Tohoku University, Sendai)
- OE52-5 **JAK2 V617F Mutation Promotes Hypoxia-induced Pulmonary Hypertension in Mice** 3247
 Yusuke Kimishima (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE52-6 **Pathophysiological Role of Dexmedetomidine for Monocrotaline-induced Pulmonary Arterial Hypertension in Rats** 3248
 Yohei Yamaguchi (Department of Pediatrics, Tokyo Medical and Dental University, Tokyo)

Oral Abstract 53

Pulmonary Circulation 3

9:00-17:00

Chairperson : Hiroto Shimokawahara (National Hospital Organization Okayama Medical Center, Okayama)
 Discussant : Naohiro Komura (Department of Cardiology, Yokohama City University Hospital, Yokohama)
 Discussant : Kenji Moriuchi (National Cerebral and Cardiovascular Center, Suita)

- OE53-1 **Increased Uptake in the Upper Lung is also a Key Finding in the Patients with Idiopathic/Heritable Pulmonary Arterial Hypertension** 3249
 Miyako Morooka (Department of Radiology, Toho University Omori Hospital, Tokyo)
- OE53-2 **Comparison between 12-lead ECG and Transthoracic Echocardiography in Detecting Pulmonary Hypertension in Secundum Atrial Septal Defect** 3250
 Jimmy O. Santoso (Universitas Indonesia, Indonesia)
- OE53-3 **S-wave in V7-lead with Narrow QRS Complex is Useful Index for Distinguish Chronic Thromboembolic Pulmonary Hypertension from Pulmonary Arterial Hypertension** 3250
 Shohei Miyai (Department of Cardioresenal and Cerebrovascular Medicine, Kagawa University, Kagawa)
- OE53-4 **Withdrawn** 3251
- OE53-5 **Target Pulmonary Artery Pressure of Balloon Pulmonary Angioplasty to Achieve WHO Functional Class I** 3251
 Nobutaka Ikeda (Division of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo)
- OE53-6 **The Prediction Model of Death within Two Years from Acute Pulmonary Embolism** 3252
 Yasuhiro Morita (Department of Cardiology, Ogaki Municipal Hospital, Ogaki)

Oral Abstract 54

Kidney 1

9:00-17:00

Chairperson : Kouichi Tamura (Department of Medical Science and Cardioresenal Medicine, Yokohama City University Graduate School of Medicine, Yokohama)
 Discussant : Yuya Ide (Department of Cardiovascular Medicine/Preemptive Medicine and Lifestyle -Related Disease Research Center Kyoto University Hospital, Kyoto)
 Discussant : Hideki Tanaka (Kagoshima Medical Center, Cardiology, Kagoshima)

- OE54-1 Single Cysteine Redox Sensor in PKG1 α Controls Salt Sensitivity through Renal Sympathetic Nerve Activity 3253
Taishi Nakamura (Department of Medical Informatics and Administration Planning, Kumamoto University Hospital, Kumamoto)
- OE54-2 GDF-15 and Mortality in Patients with Chronic Kidney Disease and Suspected or Known Coronary Heart Disease: The ANOX Study 3254
Daisuke Takagi (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE54-3 Left Atrial Volume Index Predicts Improvement in Renal Function after Catheter Ablation of Atrial Fibrillation 3255
Keisuke Usuda (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
- OE54-4 Impact of Sarcopenia on Long-term Prognosis in Acute Coronary Syndrome Patients with Hemodialysis 3255
Hisaya Kobayashi (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Shimotsuke)
- OE54-5 Impact of Proteinuria on Cardiovascular Outcomes in Younger (<75 Years) Japanese Patients with Atrial Fibrillation: The Fushimi AF Registry 3256
Syuei Ikeda (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE54-6 Remote Ischemic Preconditioning Improve the Doppler-derived Renal Vascular Resistance Index in Patients with Coronary Artery Disease 3256
Kenji Iino (Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)

Oral Abstract 55

Kidney 2

9:00-17:00

Chairperson : Yasuaki Nakagawa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Mamoru Nanasato (Sakakibara Heart Institute, Fuchu)

- OE55-1 Withdrawn 3257
- OE55-2 Impact of Repeated Coronary Revascularization on the Long-term Outcomes of Patients with Dialysis after Percutaneous Coronary Intervention 3258
Daisuke Irie (Japanese Red Cross Kyoto Daini Hospital, Kyoto)
- OE55-3 The Differences of Prognostic-Factors between the Mild ($30 \leq \text{eGFR} < 60$) and Severe ($\text{eGFR} < 30$) Chronic-Kidney-Disease Patients for Major-Adverse-Cardiac-Cerebrovascular-Renal-Events: Sub-Analysis of the Gunma-CKD-SPECT Multi-Center-Study 3258
Takuji Toyama (Toyama Cardiovascular Clinic, Maebashi)
- OE55-4 Role of Necroptosis in Contrast-induced Nephropathy in 5/6 Nephrectomized Rats 3259
Satoru Shibata (Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University School of Medicine, Sapporo)
- OE55-5 Impact of Maintenance Hemodialysis on Major Bleeding Risk in Patients with Acute Myocardial Infarction Undergoing Percutaneous Coronary Intervention 3260
Nozomu Kanehama (Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Morioka)
- OE55-6 Very Long-term Clinical Outcomes of Deferral Lesions in Hemodialysis Patients 3260
Masanobu Fujimoto (Department of Cardiology, Aichi Medical University, Nagakute)

Oral Abstract 56

Molecular Biology/Genetics

9:00-17:00

Chairperson : Yuichi Oike (Department of Molecular Genetics, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)
Chairperson : Takeshi Soeki (Department of Cardiovascular Medicine, Tokushima University Graduate School, Tokushima)
Discussant : Yuta Seko (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE56-1 Modeling Marfan Syndrome with Induced Pluripotent Stem Cell-derived Vascular Smooth Muscle Cells 3261
Kazufumi Nakamura (Department of Cardiovascular Medicine, Okayama University, Okayama)

- OE56-2 **Loss of SDPR/Cavin-2 Inhibits Abdominal Aortic Aneurysm with Suppressing Monocyte Adhesion on Endothelial Cells** 3262
Akira Sakamoto (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
- OE56-3 **Nardilysin Controls Cardiac Sympathetic Innervation Patterning via Cleavage of the p75 Neurotrophin Receptor** 3262
Mikiko Ohno (Department of Pharmacology, Shiga University of Medical Science, Otsu)
- OE56-4 **Identification of a Cell Surface Marker for Isolation of hiPSC-derived Ventricular and Atrial Cardiomyocytes** 3263
Misato Koakutsu (Center for iPS Cell Research and Application, Kyoto University, Kyoto)
- OE56-5 **CRISPR Screens with iPSCs Identify Novel Mechanisms in Cardiomyocyte Differentiation** 3263
Masataka Nishiga (Stanford University, Cardiovascular Institute, USA)
- OE56-6 **Impaired Peripheral Immune Tolerance to Cardiac Myosin Leads to Chronic Myocardial Inflammation** 3264
Kazuko Tajiri (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

Oral Abstract 57

Cardiac Arrest/Resuscitation 1

9:00-17:00

Chairperson : Satoshi Takeda (The Jikei University School of Medicine, Department of Emergency Medicine, Tokyo)
Chairperson : Tomoyuki Yamaguchi (Wakayama Medical University, Department of Emergency and Critical Care Medicine, Wakayama)
Discussant : Takayuki Otani (Department of Emergency Medicine, Hiroshima City Hospital, Hiroshima)
Discussant : Tomoyuki Yunoki (Department of Primary Care and Emergency Medicine, Kyoto University Hospital, Kyoto)

- OE57-1 **The Relationship between Duration of Chest Compression and Traumatic Thoracic Injuries in Out-of-Hospital Cardiac Arrest Patients** 3265
Aya Katasako (Department of Cardiology, Iizuka Hospital, Iizuka)
- OE57-2 **The Appropriate Timing of First Adrenaline after Defibrillation in Out-of-Hospital Cardiac Arrest with Shockable Rhythm: JCS-ReSS Group** 3266
Shoji Kawakami (Department of Cardiology, Aso Iizuka Hospital, Fukuoka)
- OE57-3 **Machine Learning Models for Outcome Prediction of Out-of-Hospital Cardiac Arrest of Presumed Cardiac Cause Using the All-Japan Utstein Registry** 3266
Tomohisa Seki (Department of Healthcare Information Management, The University of Tokyo Hospital, Tokyo)
- OE57-4 **The Optimal Timing of Percutaneous Coronary Intervention and Brain Computed Tomography in Patients with Out-of-Hospital Cardiopulmonary Arrest without ST-segment Elevation** 3267
Taku Fukushima (Department of Cardiology, National Hospital Organization Disaster Medical Center, Tokyo)
- OE57-5 **Coronary Atherothrombosis in Cardiac Arrest Survivors without ST-segment Elevation on ECG** 3267
Satoshi Mogi (Department of Cardiology, Hamamatsu University School of Medicine, Hamamatsu/Department of Cardiology, Cochon University Hospital, AP-HP, France)
- OE57-6 **Neurologic Outcomes in Patients Who Undergoing Extracorporeal Cardiopulmonary Resuscitation** 3268
Tomoyuki Yaguchi (SUBARU Health Insurance Society Ota Memorial Hospital, Ota)

Oral Abstract 58

Cardiac Arrest/Resuscitation 2

9:00-17:00

Chairperson : Kei Nishiyama (Trauma and Critical Care Center, National Hospital Organization Kyoto Medical Center, Kyoto)
Chairperson : Teiji Oda (Department of Thoracic and Cardiovascular Surgery, Shimane University Faculty of Medicine, Matsue)
Discussant : Yoshio Tahara (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

- OE58-1 **Outcome of Veno-Arterial Extracorporeal Membrane Oxygenation Therapy and Potential of IMPELLA** 3269
Nobuyuki Kuroiwa (Division of Cardiology, Heart and Vascular Institute, Funabashi Municipal Medical Center, Chiba)
- OE58-2 **Predictors of Successful Weaning from V-A ECMO, 30-day Mortality, and Brain Function Recovery for Acute Myocardial Infarction with Cardiac Arrest** 3270
Daisuke Nagatomo (Department of Cardiology, Saiseikai Fukuoka General Hospital, Fukuoka)

- OE58-3 Withdrawn 3270
- OE58-4 Chronic Efficacy of Intraosseous Liposome-Encapsulated Hemoglobin (HbV) Transfusion on Survival Rate in Rat Lethal 85% Hemorrhage through Anti-Arrhythmogenic Effects 3271
Bonpei Takase (Department of Intensive Care Medicine, National Defense Medical College, Tokorozawa)
- OE58-5 Chronic Anti-Arrhythmogenic Effect of Liposome-Encapsulated Hemoglobin on Myocardium through Improving Myocardial Electrical Remodeling and Arrhythmogenic Substrate in Hemorrhagic Shock Heart 3271
Bonpei Takase (Department of Intensive Care Medicine, National Defense Medical College, Tokorozawa)
- OE58-6 Impact of Out-of-Hospital Cardiac Arrest on In-Hospital and Long-Term Mortality in Patients with Acute Myocardial Infarction 3272
Takeyuki Kubota (Division of Cardiology, The Jikei University Kashiwa Hospital, Kashiwa)

Oral Abstract 59

Emergency/Shock 1

9:00-17:00

Chairperson : Yoshio Tahara (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
Chairperson : Eizo Tachibana (Kawaguchi Municipal Medical Center, Kawaguchi)
Discussant : Nobuyuki Kuroiwa (Division of Cardiology, Heart and Vascular Institute, Funabashi Municipal Medical Center, Funabashi)

- OE59-1 Effect of Renal Function and Vasopressor Agents for Cardiogenic Shock Due to Acute Myocardial Infarction: The Tokyo CCU Network Registry 3273
Tadashi Ashida (Tokyo CCU Network Scientific Committee, Tokyo)
- OE59-2 Acquired von Willebrand Syndrome on Percutaneous Ventricular Assist Device (IMPELLA) 3274
Shin Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE59-3 The Early Experience of IMPELLA for Patients with Refractory Cardiogenic Shock 3274
Takeshi Tada (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE59-4 Role of Impella in Multidisciplinary Intensive Care for Cardiogenic Shock 3275
Hideo Matama (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE59-5 Withdrawn 3275
- OE59-6 The Clinical Impact of Delirium in the Patients with Acute Decompensated Heart Failure 3276
Yukio Aikawa (Department of Cardiology, Hokusei General Hospital, Takatsuki)

Oral Abstract 60

Emergency/Shock 2

9:00-17:00

Chairperson : Taku Honda (Sendai Kousei Hospital, Sendai)
Chairperson : Kei Nishiyama (Trauma and Critical Care Center, National Hospital Organization Kyoto Medical Center, Kyoto)

- OE60-1 Current Status of Treatment for ST-segment Elevation Myocardial Infarction Patients Complicated with Cardiogenic Shock Treated with Mechanical Circulatory Support 3277
Hiroshi Koiwaya (Department of Cardiology, Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)
- OE60-2 Impact of the 2015 CPR Guidelines for Patients with OHCA Due to Non-shockable Rhythm; Results from the All-Japan Utstein Registry 3278
Tsukasa Yagi (Kawaguchi Municipal Medical Center, JCS-ReSS Study Group, Kawaguchi)
- OE60-3 The Impact of Percutaneous Coronary Angioplasty to Predict Mortality and Neurological Outcome in Out-of-hospital Cardiac Arrest Patients without ST-segment Elevation 3278
Junji Matsuda (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)
- OE60-4 A Comprehensive Simulation-based Training for E-CPR Improves the Neurological Outcomes in Patients with Refractory Out-of-hospital Cardiac Arrest 3279
Yoshiaki Minami (Department of Cardiovascular Medicine & Surgery, Saiseikai Kumamoto Hospital, Kumamoto)
- OE60-5 Association between Gastrointestinal Bleeding during CCU Stay and Subsequent Cardiovascular Events in Patients with Emergency Cardiovascular Diseases 3279
Shin Sakai (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

- OE60-6 Does Time of Admission Affect Outcomes in Refractory Cardiac Arrest Patients Treated with Extracorporeal Membrane Oxygenation?** 3280
Eisuke Kagawa (Department of Cardiology, Hiroshima City Asa Citizens Hospital, Hiroshima)

Oral Abstract 61

Cardiomyopathy/Hypertrophy (Clinical) 2

9:00-17:00

Chairperson : Hiroaki Kawano (Department of Cardiovascular Medicine, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki)

Chairperson : Fumio Terasaki (Osaka Medical College, Medical Education Center/Department of Cardiology, Takatsuki)

Discussant : Hirooki Higami (Japanese Red Cross Otsu Hospital, Otsu)

Discussant : Tatsuya Kawasaki (Department of Cardiology Matsushita Memorial Hospital, Moriguchi)

- OE61-1 Relationship between Extent of Late Gadolinium Enhancement and Re-worsening Left Ventricular Ejection Fraction in Patients with Non-ischemic Dilated Cardiomyopathy** 3281
Takeru Nabeta (Department of Cardiology, Kitasato University School of Medicine, Sagami-hara)
- OE61-2 Higher Neutrophil-Lymphocyte Ratio in Blood Test is Associated with Poor Prognosis in Patients with Dilated Cardiomyopathy** 3282
Norifumi Kawakita (Department of Cardiology, Japanese Red Cross Okayama Hospital, Okayama)
- OE61-3 Fibroblast Growth Factor 23 Predicts Future Cardiac Events in Ambulatory Patients with Dilated Cardiomyopathy** 3282
Takahiro Okumura (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE61-4 Human Epididymis Protein 4 Predicts Progressive Interstitial Fibrosis and Adverse Cardiovascular Events in Patients with Dilated Cardiomyopathy** 3283
Masahiro Yamamoto (Department of Cardiovascular Medicine, Kumamoto University Hospital, Kumamoto)
- OE61-5 Phosphorylated MLKL, an Executor of Necroptosis, Localized in the Nucleus and Intercalated Disc Plays Distinct Roles in Nonischemic Dilated Cardiomyopathy** 3283
Yugo Fujita (Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University School of Medicine, Sapporo)
- OE61-6 Clinical Impact of Ischemia-like Electrocardiography Findings during Acute Heart Failure in Patients with Non-ischemic Left Ventricular Dysfunction** 3284
Kenji Maemura (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagami-hara)

Oral Abstract 62

Cardiomyopathy/Hypertrophy (Clinical) 3

9:00-17:00

Chairperson : Tatsuya Morimoto (Division of Molecular Medicine, School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka)

Chairperson : Noboru Fujino (Kanazawa University, School of Health Sciences, Kanazawa)

Discussant : Akiyoshi Ogimoto (Division of Cardiology, Uwajima City Hospital, Uwajima)

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

- OE62-1 Prognostic Predictors of Wild-type Transthyretin Cardiac Amyloidosis** 3285
Yoshitomo Tsutsui (Department of Cardiovascular Medicine, Faculty of Medical Sciences, Kyushu University, Fukuoka)
- OE62-2 Utility of Kumamoto Criteria in Diagnosing Transthyretin Cardiac Amyloidosis in Real-World Practice** 3286
Genya Sunagawa (Department of Cardiology, Saiseikai Fukuoka General Hospital, Fukuoka)
- OE62-3 Subepicardial Involvement and Chest Pain in Patients with Cardiac Sarcoidosis** 3287
Kenji Yodogawa (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)
- OE62-4 Multicenter-registry of Cardiac Sarcoidosis Complied in Japan: The First Report of Japanese Cardiac Sarcoidosis Prognostic Study (J-CASP)** 3287
Tomoaki Nakata (Cardiology, Hakodate Goryoukaku Hospital, Hakodate)
- OE62-5 Prediction of Fat and Fibrotic-Invasion in the Left-Ventricular Myocardium Using Four-Dimensional Cardiac Computed-Tomography in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy** 3288
Nobusada Funabashi (Department of Cardiology, Chiba University Graduate School of Medicine, Chiba)
- OE62-6 Embryological Correlation between the Trabecular Thickness and the Structural Anomaly of Anterior Left Atrium in the Left Ventricular Non-compaction** 3289
Ryobun Yasuoka (Division of Cardiology, Department of Medicine, Faculty of Medicine, Kindai University, Osaka)

Oral Abstract 63

AF Ablation Method/Non PV Foci

9:00-17:00

Chairperson : Shinichi Niwano (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Kanagawa)
 Chairperson : Itsuro Morishima (Department of Cardiology, Ogaki Municipal Hospital, Ohgaki)
 Discussant : Masatsugu Ohe (Kurume University, Kurume)
 Discussant : Tetsuma Kawaji (Mitsubishi Kyoto Hospital, Kyoto)

- OE63-1 Efficacy of Self-reference Mapping Technique to Eliminate Non-pulmonary Vein Triggers Originated from Outside of Primordial Pulmonary Vein 3290
 Yasuharu Matsunaga (Division of Cardiology, Osaka Rosai Hospital, Sakai)
- OE63-2 Long-Term Ablation Outcomes in Patients with Non-Pulmonary Vein Trigger of Atrial Fibrillation -Differences between the Left and Right Atria 3291
 Shunsuke Kawai (Department of Cardiovascular Medicine, Japanese Red Cross Fukuoka Hospital, Fukuoka)
- OE63-3 Impact of Non-Pulmonary Vein Foci in the Patients with Atrial Fibrillation: Clinical Difference According to the Localization of Atrial Fibrillation 3291
 Yukihiro Inamura (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)
- OE63-4 Clinical Impact of Non-Pulmonary Vein (PV) Triggers in Patients with Atrial Fibrillation (AF) Recurrence after Cryoballoon PV Isolation 3292
 Yuuki Kawano (Division of Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka)
- OE63-5 Characteristics and Ablation Outcome of Non-Pulmonary Vein Ectopy Emerging after Successful Pulmonary Vein Isolation in Patients with Paroxysmal Atrial Fibrillation 3292
 Noriyuki Kobayashi (Department of Cardiology, Nippon Medical School, Tokyo)
- OE63-6 Our Refined Provocation Technique of Non-PV Foci in Catheter Ablation for Paroxysmal Atrial Fibrillation to Improve the Ablation Success Rate 3293
 Akira Tashiro (Cardiovascular Center, Yokosuka Kyosai Hospital, Kanagawa)

Oral Abstract 64

AF Ablation Method/Others 1

9:00-17:00

Chairperson : Taishi Kuwahara (Tokyo Heart Rhythm Clinic, Tokyo)
 Chairperson : Hiroshi Tasaka (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)

- OE64-1 Lesion Characteristics Created by Short- and Nominal-time of RF Application: Requirement of Appropriate Application Time for Stable Lesions 3294
 Osamu Saitoh (School of Health Sciences Faculty of Medicine, Niigata University, Niigata)
- OE64-2 Impact of a Combination of CARTOUNIVU and CARTOSOUND Modules on the CT Image Integration Accuracy during Atrial Fibrillation Ablation 3295
 Takehito Sasaki (Division of Cardiology, Gunma Prefectural Cardiovascular Center, Maebashi)
- OE64-3 Withdrawn 3295
- OE64-4 The Early Recurrence during Late Blanking Period Impaired Left Atrial Reverse Remodeling after Catheter Ablation for Non-paroxysmal Atrial Fibrillation 3296
 Takafumi Oka (Sakurabashi Watanabe Hospital, Cardiovascular Center, Osaka)
- OE64-5 Significance of Mitral L Wave to Predict Late Recurrence of Atrial Fibrillation after Radiofrequency Catheter Ablation 3296
 Ryo Wada (Division of Cardiovascular Medicine, Department of Internal Medicine, Toho University Faculty of Medicine, Tokyo)
- OE64-6 Relationship between Spatiotemporal Electrogram Dispersion and Complex Fractionated Atrial Electrogram in Patients with Non-Paroxysmal Atrial Fibrillation 3297
 Kensuke Sakata (Heart Rhythm Center, Takatsuki General Hospital, Osaka)

Oral Abstract 65

AF/Reccurrence

9:00-17:00

Chairperson : Tsuneaki Sadanaga (Seigato Hospital, Kumamoto)
 Chairperson : Yoshihito Hata (Pediatric Heart Disease and Adult Congenital Heart Disease Center, Showa University Hospital, Tokyo)

- OE65-1 The Prognostic Impact of Early Recurrences in the Blanking Period after Atrial Fibrillation Ablation on Late Recurrence 3298
Katsumasa Takagi (Yokosuka Kyosai Hospital, Yokosuka)
- OE65-2 The Relationship between Recurrence within Blanking Period and Long-term Clinical Success of Ablation for Paroxysmal Atrial Fibrillation 3299
Kazuya Murata (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)
- OE65-3 Significance of Atrial Fibrillation Recurrence during Late Blanking Period after Pulmonary Vein Isolation 3299
Hideki Kobayashi (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- OE65-4 Elevation of Neutrophil-to-lymphocyte Ratio and Monocyte-to-lymphocyte Ratio are Associated with Recurrence of Atrial Fibrillation after Pulmonary Vein Isolation 3300
Masamichi Yano (Osaka Rosai Hospital, Department of Cardiology, Sakai)
- OE65-5 Effect of Bisoprolol Transdermal Patch on Reducing Early Recurrence during the Blanking Period after Atrial Fibrillation Ablation 3300
Yuya Suzuki (Department of Cardiovascular Medicine, Akashi Medical Center, Akashi)
- OE65-6 Super Very Late Recurrence of Atrial Fibrillation over 5 Years after the Catheter Ablation; Is It Recurrence or New Onset? 3301
Yoshiki Misu (Yokosuka Kyosai Hospital, Yokosuka)

Oral Abstract 66

Atrial Arrhythmia

9:00-17:00

Chairperson : Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
Chairperson : Kazuhiro Yajima (Nagoya City West Medical Center, Department of Cardiology, Nagoya)
Discussant : Atsuyuki Watanabe (Department of Cardiovascular Medicine, Okayama University, Okayama)
Discussant : Takanori Aizawa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE66-1 Supraventricular Tachycardia Sustained despite Occurrence of Sudden Ventriculoatrial Block: A Multicenter Study of NV/NF Fiber-related SVT vs. AVNRT 3302
Koichi Nagashima (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)
- OE66-2 Medium- and Long-term Outcomes for Cryoablation of Atrioventricular Nodal Re-entrant Tachycardia -Safety and Efficacy of a Recent Practical Approach- 3303
Reiko Fukuda (Dokkyo Medical University Saitama Medical Center, Saitama)
- OE66-3 Electrophysiological Characteristics of Atrial Tachycardia Relating the Crista Terminalis after Open Heart Surgery 3304
Yoshiaki Inoue (Department of Cardiovascular Medicine, Matsue Red Cross Hospital, Matsue)
- OE66-4 Measuring Hounsfield Unit Density on a Cardiac-CT Image is Useful for Identification of Thrombus Formation in the Left Atrial Appendage 3304
Motohide Tanaka (Kindai University, Sayama)
- OE66-5 4D-flow Cardiac Magnetic Resonance Analysis of Left Ventricular Blood flow Dynamics in Left Bundle Branch Block 3305
Keisuke Miyajima (Seirei Mikatahara General Hospital, the Department of Cardiology, Hamamatsu)
- OE66-6 Impact of Additional Superior Vena Cava Isolation on Increased Resting Heart Rate after Cryoballoon Guided Pulmonary Vein Isolation 3305
Hiroshi Yoshida (Heart Center, Japan Red Cross Yokohama City Bay Hospital, Yokohama)

Oral Abstract 67

SVT 1

9:00-17:00

Chairperson : Mitsunori Maruyama (ER and General Medicine, Nippon Medical School Musashi-Kosugi Hospital, Tokyo)
Chairperson : Norishige Morita (Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo)

- OE67-1 Unique Electrophysiological Properties of Fast-slow Atrioventricular Nodal Reentrant Tachycardias Manifested during Atrial Induction 3306
Shuntaro Tamura (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)

OE67-2	Unique VA Relationship during Differential Atrial Entrainment of Fast-slow Atrioventricular Nodal Reentrant Tachycardia	3307
	Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Gunma)	
OE67-3	Possible Mechanism of Atrioventricular Nodal Reentrant Tachycardia (Important Role of Pyramidal Space as an Anatomical Obstacle)	3307
	Osamu Igawa (Department of Cardiology, Nippon Medical School, Tokyo)	
OE67-4	Withdrawn	3308
OE67-5	Withdrawn	3308
OE67-6	Electrophysiological Characteristics and Ablation Outcome Specific of Length of Superior Slow Pathway	3309
	Shuntaro Tamura (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)	

Oral Abstract 68

SVT 2

9:00-17:00

Chairperson : Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
 Chairperson : Kazuaki Kaitani (Department of Cardiology, Otsu Red Cross Hospital, Otsu)
 Discussant : Kazuyasu Yoshitani (Department of Cardiology, Hyogo Prefectural Amagasaki General Hospital, Amagasaki)
 Discussant : Yasuhiro Sasaki (Department of Cardiology, Kobe City Medical Center General Hospital, Kobe)

OE68-1	Transcatheter Cryo-ablation for Septal Accessory Pathways	3310
	Kaoru Okishige (Heart Center, Japan Red Cross Yokohama City Bay Hospital, Yokohama)	
OE68-2	Specific Muscle Bundle in the Left Atrial Wall, LA Ring ~From the Structural and Embryological Investigation~	3311
	Osamu Igawa (Department of Cardiology, Nippon Medical School, Tokyo)	
OE68-3	Novel Diagnostic Maneuver Resetting Macroreentrant Atrial Tachycardia by a Scanned Extrastimulus from Downstream Sites on Multielectrode Catheters	3311
	Yuji Wakamatsu (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)	
OE68-4	Catheter-based Cryoablation in Atrioventricular Nodal Reentrant Tachycardia	3312
	Shinichi Tachibana (Yokohama City Minato Red Cross Hospital, Yokohama)	
OE68-5	Characteristics of Electrogram at the Site of Successful Cryoablation for Typical Atrioventricular Nodal Reentrant Tachycardia	3312
	Masahiro Nakano (Department of Advanced Cardiorhythm Therapeutics, Chiba University Graduate School of Medicine, Chiba)	
OE68-6	Topographic Characteristics of the Left Atrial Postero-septal Region	3313
	Jakub Holda (Jagiellonian University Medical College, Poland)	

Oral Abstract 69

AF Registry/Others

9:00-17:00

Chairperson : Masaharu Akao (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
 Chairperson : Koichi Inoue (Division of Cardiology, Sakurabashi Watanabe Hospital, Osaka)
 Discussant : Tetsuji Shinohara (Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita)
 Discussant : Keitaro Senoo (Kyoto Prefectural University of Medicine, Kyoto)

OE69-1	Clinical Characteristics and Determinants of Major Adverse Cardiac and Cerebrovascular Events after Atrial Fibrillation Catheter Ablation: The Fushimi AF Registry	3314
	Masahiro Esato (Department of Arrhythmia, Ijinkai Takeda General Hospital, Kyoto)	
OE69-2	Impact of History of Myocardial Infarction in Atrial Fibrillation Patients with Coronary Artery Disease: The Fushimi AF Registry	3315
	Nobutoyo Masunaga (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)	

- OE69-3 **Faster Nighttime Heart Rate is Associated with Silent Brain Infarction in Patients with Nonvalvular Atrial Fibrillation** 3315
 Andrew T. Kim (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- OE69-4 **Relationship between Serum Alkaline Phosphatase and Major Bleeding in Patients with Non-Valvular Atrial Fibrillation: Shinken Database Analysis** 3316
 Naoharu Yagi (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE69-5 **Predictive Ability of Creatinine Clearance versus Estimated Glomerular Filtration Rate for Outcomes in Patients with Non-Valvular Atrial Fibrillation: J-RHYTHM Registry** 3316
 Eitaro Kodani (Department of Internal Medicine and Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo)
- OE69-6 **Characteristics and Anti-Coagulant Treatment Status by the Hospital Scale in Elderly Non-Valvular Atrial Fibrillation Patients from the ANAFIE Registry** 3317
 Atsushi Hirayama (Cardiovascular Division, Osaka Police Hospital, Osaka)

Oral Abstract 70

AF/Imaging 1

9:00-17:00

Chairperson : Toru Maruyama (Center for Health Science and Counselling, Fukuoka)
 Chairperson : Mahito Noro (Toho University Sakura Medical Center, Sakura)
 Discussant : Meiso Hayashi (Mabori Medical Clinic, Yokosuka)
 Discussant : Koji Goto (Gunma Prefectural Cardiovascular Center, Division of Cardiology, Maebashi)

- OE70-1 **Prone-position Computed Tomography in Late Phases; The Best Tool for Detecting Intracardiac Thrombus in Left Atrial Appendage** 3318
 Rena Nakamura (Department of Cardiology, Japan Red Cross Yokohama City Bay Hospital, Yokohama)
- OE70-2 **Left Atrial Dimension Reduction Rate after Blanking Period Predicts Late Recurrence of Atrial Fibrillation after Radiofrequency Catheter Ablation** 3319
 Shunsuke Miyauchi (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE70-3 **Left Ventricular Diastolic Dysfunction Evaluated by Echocardiography Represents Increased Left Atrial Pressure in Atrial Fibrillation: Validation of European/North American Guideline** 3319
 Yoshihiro Nomura (Department of Cardiology, Fujita Health University, Toyoake)
- OE70-4 **The Longitudinal Motion of Left Atrial Appendage Predicts Atrial Fibrillation Recurrence after Catheter Ablation of Persistent Atrial Fibrillation** 3320
 Jun Nakajima (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE70-5 **Impact of Restoration and Maintenance of Sinus Rhythm by Catheter Ablation in Patients with Non-Paroxysmal Atrial Fibrillation** 3320
 Yasunori Kanzaki (Department of Cardiology, Ogaki Municipal Hospital, Ogaki)
- OE70-6 **Clinical Parameters and Characteristics of Left Atrial Appendage Evaluated by Multidetector Computed Tomography to Identify True Left Atrial Appendage Thrombus** 3321
 Toshiki Arai (Department of Cardiology, Nippon Medical School, Tokyo)

Oral Abstract 71

AF/Imaging 2

9:00-17:00

Chairperson : Norishige Morita (Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo)
 Chairperson : Masahide Harada (Department of Cardiology, Fujita Health University, Toyoake)
 Discussant : Motoaki Hirazawa (Hirazawa Heart Clinic, Fukui)

- OE71-1 **The Impact of Epicardial Adipose Tissue on the Efficacy of Left Atrial Posterior Wall Isolation for Persistent Atrial Fibrillation** 3322
 Yosuke Nakatani (Second Department of Internal Medicine, University of Toyama, Toyama)
- OE71-2 **Epicardial Adipose Tissue Inflammation is Associated with Atrial Fibrillation Burden** 3323
 Kazuo Miyazawa (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)
- OE71-3 **Prognostic Impact of Atrial Inflammation Assessed by FDG-PET in Patients Undergoing Catheter Ablation for Atrial Fibrillation** 3323
 Yasushi Miyauchi (Department of Cardiovascular Medicine, Nippon Medical School Chiba-Hokusoh Hospital, Inzai)

- OE71-4 Prediction of Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy Using Left Atrium Vortex Flow Mapping of Cine CMR Imaging 3324
Risako Nakao (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE71-5 Pre-procedural Troponin-T Levels Predict the Improvement in the Left Ventricular Ejection Fraction after Catheter Ablation of Atrial Fibrillation/Flutter 3324
Daisetsu Aoyama (Department of Cardiovascular Medicine, University of Fukui, Fukui)
- OE71-6 Extra-pulmonary Vein Left Atrial Ablation was Associated with Poor Left Atrial Function after Non-paroxysmal Atrial Fibrillation Ablation 3325
Takafumi Oka (Sakurabashi Watanabe Hospital, Cardiovascular Center, Osaka)

Oral Abstract 72

Cardiac Rehabilitation 1

9:00-17:00

Chairperson : Yoshitaka Iso (Showa University Research Institute for Sport and Exercise Sciences, Tokyo)
Chairperson : Neiko Ozasa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Neiko Ozasa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Kozo Hotta (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)

- OE72-1 Point M Regulates Tidal Volume and Respiratory Rate during Exercise 3326
Makoto Murata (Gunma Prefectural Cardiovascular Center, Maebashi)
- OE72-2 Distinctive Features in Patients with Non-ischemic Heart Failure and Mid-range Ejection Fraction as Assessed by Cardiopulmonary Exercise Test 3327
Ken Harada (Department of Cardiology, Chubu Rosai Hospital, Nagoya)
- OE72-3 Prognostic Value of Cardiopulmonary Testing in Patients with Heart Failure 3327
Nauka Hayashi (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE72-4 Epicardial Adipose Tissue is Associated with Exercise Intolerance in Patients with Diabetes with Asymptomatic Left Ventricular Structural and Functional Abnormalities 3328
Yousuke Sugita (Faculty of Health Sciences, Tsukuba University of Technology, Tsukuba)
- OE72-5 Relationship between Body Mass Index and Cardiopulmonary Exercise Test Findings in Heart Failure Patients with Reduced Ejection Fraction 3328
Nana Endo (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE72-6 An Exploratory Study of the CABs in Patients with Heart Failure during CPX Test 3329
Kiyoshi Iida (Department of Cardiology, Nihon University Hospital, Tokyo)

Oral Abstract 73

ACS (Clinical/Diagnosis) 5

9:00-17:00

Chairperson : Takeo Kaneko (Shimonoseki City Hospital, Cardiovascular Medicine, Shimonoseki)
Chairperson : Hiroyuki Tanaka (Kurashiki Central Hospital, Kurashiki)
Discussant : Akihiro Endo (Division of Cardiology, Shimane University Faculty of Medicine, Matsue)

- OE73-1 Impact of Door-to-balloon Time on the Long-term Prognosis of Patients with Acute Myocardial Infarction 3330
Jun Goto (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- OE73-2 Recent Trends in the Incidence of Acute Myocardial Infarction in Fukui Prefecture 3331
Susumu Fujino (Department of Cardiology, Fukui Prefectural Hospital, Fukui)
- OE73-3 The Latest Trends of Acute Coronary Syndrome in Kanagawa -From K-ACTIVE- 3331
Sho Kodama (Department of Cardiology, Kanagawa Cardiovascular and Respiratory Center, Yokohama)
- OE73-4 A Novel Predictive Score Based on Blood Examination for In-hospital Mortality in Patients with ST-segment Elevation Myocardial Infarction 3332
Yuhei Goriki (Miyazaki Medical Association Hospital, Miyazaki)
- OE73-5 The Effect of Pre-hospital Mobile Cloud ECG Transmission for the Patients with STEMI 3332
Daisuke Takagi (Department of Acute Care and General Medicine, Division of General Medicine, Saiseikai Kumamoto Hospital, Kumamoto)
- OE73-6 Impacts of the Prehospital Mobile Cloud ECG Transmission System Reducing Door-to-Balloon Time and Hospital Stay Length in Patients with STEMI 3333
Motoko Kametani (Department of Cardiovascular Medicine & Surgery, Saiseikai Kumamoto Hospital, Kumamoto)

Oral Abstract 74

ACS (Clinical/Pathophysiology) 2

9:00-17:00

Chairperson : Tsunekazu Kakuta (Tsuchiura Kyodo General Hospital, Tsuchiura)
 Chairperson : Takatoshi Wakeyama (JCHO Tokuyama Central Hospital, Division of Cardiology, Tokuyama)
 Discussant : Tsunenari Soeda (Nara Medical University, Cardiovascular Medicine, Nara)

- OE74-1 Sex Differences in Patients with Non-ST-elevation Myocardial Infarction in Japan -A Report from the Miyagi AMI Registry- 3334
 Koichi Sato (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE74-2 Prognostic Implication of Bundle Branch Block to Acute Coronary Syndrome 3335
 Annisa Tridamayanti (Department of Cardiology and Vascular Medicine, Sebelas Maret University - Dr. Moewardi Hospital, Indonesia)
- OE74-3 Clinical Impact of Glycemic Variability on Left Ventricular Dysfunction at 7 Months in Patients with a ST-segment Elevation Myocardial Infarction 3335
 Jin Kirigaya (Yokohama City University Medical Center, Yokohama)
- OE74-4 The Contemporary Incidence and Risk Factors for Heart Failure Following ST-elevation Myocardial Infarction Treated by Percutaneous Coronary Intervention 3336
 Joh Akama (The Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE74-5 Culprit Vessel and Cardiogenic Shock: Impact on Short and Long Term Prognosis in Patients with Acute Myocardial Infarction 3336
 Hana Mizutani (Suzuka Central General Hospital, Suzuka)
- OE74-6 Microcalcification in Aspirated Material from the Culprit Coronary Artery in Patients with Acute Coronary Syndrome 3337
 Hiroaki Kawano (Department of Cardiovascular Medicine, Nagasaki University, Nagasaki)

Oral Abstract 75

ACS (Clinical/Pathophysiology) 3

9:00-17:00

Chairperson : Mitsuyasu Terashima (Department of Cardiology, Toyohashi Heart Center, Toyohashi)
 Chairperson : Hideki Okayama (Cardiovascular Center, Ehime Prefectural Central Hospital, Matsuyama)
 Discussant : Tomohiro Yamasaki (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Hideki Okayama (Cardiovascular Center, Ehime Prefectural Central Hospital, Matsuyama)

- OE75-1 Prediction of Deferred Lesion Failure Following Negative Fractional Flow Reserve in Patients with Stable Coronary Artery Disease 3338
 Yosuke Yamakami (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)
- OE75-2 Clinical Characteristics and Outcome of Patients with Myocardial Infarction with Non-obstructive Coronary Artery (MINOCA) 3339
 Kiyotaka Hao (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE75-3 Withdrawn 3339
- OE75-4 Heterogeneous Enhancement Detected by MDCT Predicts Contrast-induced Acute Kidney Injury and In-hospital Cardiovascular Events in Patients with Acute Myocardial Infarction 3340
 Akinori Sugano (Department of Cardiology, Tsukuba Medical Center Hospital, Tsukuba)
- OE75-5 Detecting Cholesterol Crystals in Acute Coronary Syndrome and Stable Angina 3340
 Sei Komatsu (Cardiovascular Center, Osaka Gyomeikan Hospital, Osaka)
- OE75-6 Withdrawn 3341

Oral Abstract 76

AF Mapping/Multipoint Mapping 1

9:00-17:00

Chairperson : Naoya Oketani (Department of Cardiology, Kagoshima City Hospital, Kagoshima)
 Chairperson : Ritsushi Kato (Department of Cardiology, International Medical Center, Saitama Medical University, Saitama)
 Discussant : Kentaro Nakai (Uji-Tokushukai Medical Center, Heart Center, Heart Rhythm Division, Uji)

- OE76-1 Strong Relationship between Global Bipolar Voltage Reduction and Conduction Disturbance in the Left Atrium in Patients with Atrial Fibrillation 3342
Toyokazu Otsubo (Department of Cardiovascular Medicine, Saga University, Saga)
- OE76-2 The Impact of the Radiofrequency Application on the Patchy Late-gadolinium Enhancement Sites in Patients with Atrial Fibrillation: LGE-MRI Analysis 3343
Kunihiko Kiuchi (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE76-3 Atrial Substrate on Low-Voltage Areas in Patients with Postcardiac Surgery 3343
Yoshio Yamaguchi (Department of Cardiology, Fukui Cardiovascular Center, Fukui)
- OE76-4 Left Atrial Dyssynchrony Associated with the Existence of Low-Voltage Zone in Patients with Atrial Fibrillation 3344
Yuya Takahashi (Department of Cardiology, Cardiovascular Medicine Sapporo Heart Center, Sapporo Cardio Vascular Clinic, Sapporo)
- OE76-5 Relationship between Late Gadolinium Enhancement on Magnetic Resonance Imaging, Low Voltage Areas and Atrial Tachycardia during Persistent Atrial Fibrillation Ablation 3345
Mitsuaki Itoh (Department of Cardiovascular Medicine, Himeji Cardiovascular Center, Himeji)
- OE76-6 The First Clinical Experiences of the Novel Local Impedance Monitoring (DIRECTSENSE™) during Pulmonary Vein Isolation 3345
Yasuaki Tanaka (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE76-7 Left Atrial Posterior Wall Thickness by Intracardiac Echo and Its Relation to Ablation-index Guide Radiofrequency Ablation on the Esophagus Lesion 3346
Katsuhide Hayashi (Department of Cardiology, Saiseikai Kumamoto Hospital, Kumamoto)
- OE76-8 Utility of Early Meets Late and A New HD Coloring Propagation Map during Catheter Ablation of Atrial Fibrillation 3346
Shingo Maeda (Arrhythmia Advanced Therapy Center, AOI Universal Hospital, Kawasaki)
- OE76-9 Spatiotemporal Consistency of Focal Activation in Persistent Atrial Fibrillation 3347
Yoshihide Takahashi (Department of Advanced Arrhythmia Research, Tokyo Medical and Dental University, Tokyo)

Oral Abstract 77

AF Complication 1

9:00-17:00

Chairperson : Satoru Sakagami (National Hospital Organization Kanazawa Medical Center, Kanazawa)
Chairperson : Toshihiko Ohara (Nippon Medical School, Department of General Medicine, Tokyo)
Discussant : Masahiro Esato (Department of Cardiology, Heart Rhythm Section, Ogaki Tokushukai Hospital, Ohgaki)
Discussant : Sou Takenaka (Department of Cardiology, IMS Katsushika Heart Center, Tokyo)

- OE77-1 Should We Withhold Catheter Ablation of Atrial Fibrillation in Elderly Patients? -Analysis of Nationwide Database in Japan, JROAD-DPC- 3348
Yasuhiro Yokoyama (Division of Arrhythmia, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE77-2 'AirTray' can Prevent Air-Bubbles Intrusion in the Ablation Introducer 3349
Tsuyoshi Urushida (Department of Cardiology, Hamamatsu University School of Medicine, Hamamatsu)
- OE77-3 Phrenic Nerve Injury during Laser Balloon Application for Pulmonary Vein Isolation in Patients with Paroxysmal Atrial Fibrillation 3349
Shinichi Tachibana (Department of Cardiology, Yokohama City Minato Red Cross Hospital, Yokohama)
- OE77-4 Pulmonary Vein Stenosis after Laserballoon Ablation for Atrial Fibrillation 3350
Kenichi Tokutake (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- OE77-5 Different Incidence and Characteristics of Esophageal Complications after Cryoballoon and Hotballoon Ablation 3350
Satoshi Shimoo (Department of Cardiology, University of Tsukuba Hospital, Tsukuba)
- OE77-6 Occurrence and Progress of Pulmonary Vein Stenosis after Radiofrequency Hot Balloon Ablation 3351
Hirotoshi Ichibori (Department of Cardiology, Hyogo Brain and Heart Center, Himeji)

Oral Abstract 78

AF/Others 2

9:00-17:00

Chairperson : Seiji Takatsuki (Department of Cardiology, Keio University School of Medicine, Tokyo)

Chairperson : Ryoji Yokota (Kindai University Nara Hospital, Ikoma)

Discussant : Yasuhiro Yoshiga (Yamaguchi University Graduate School of Medicine, Ube)

Discussant : Hidemori Hayashi (Department of Cardiovascular Medicine, Juntendo University, Tokyo)

- OE78-1 High Incidence of Atrial Tachycardia Following Catheter Ablation of Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy 3352
Hiroshi Hayashi (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)
- OE78-2 Atrial Electrophysiological Properties and Clinical Outcome after Catheter Ablation for Patients with Atrial Fibrillation and a History of Hyperthyroidism 3353
Katsunori Okajima (Department of Cardiology, Kakogawa Central City Hospital, Kakogawa)
- OE78-3 Impact of Renal Function on Left Atrial Substrate and the Outcomes after Catheter Ablation for Atrial Fibrillation 3354
Yuya Takahashi (Department of Cardiology, Cardiovascular Medicine, Sapporo Heart Center, Sapporo Cardio Vascular Clinic, Sapporo)
- OE78-4 Outcomes after Catheter Ablation in Patients with Atrial Fibrillation Treated with Chronic Hemodialysis 3354
Katsuhide Hayashi (Department of Cardiology, Saiseikai Kumamoto Hospital, Kumamoto)
- OE78-5 Withdrawn 3355
- OE78-6 Long P-wave Duration in Lead I after Radiofrequency Catheter Ablation for Atrial Fibrillation is Related with Clinical Recurrence 3355
Shiou Ohguchi (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)

Oral Abstract 79

Arrhythmia (Basic) 1

9:00-17:00

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

Chairperson : Tomoko Ohkusa (Faculty of Health Science, Ube Frontier University, Ube)

Discussant : Asami Kashiwa (Kyoto University, Kyoto)

- OE79-1 Genome-wide Association Study for Atrial Fibrillation Identifies 26 Novel Loci and Reveals the Genetic Correlation with Comorbid Disorders 3356
Hiroshi Matsunaga (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)
- OE79-2 Withdrawn 3357
- OE79-3 CALM2-N98S Mutation Associated with Long QT Syndrome Impaired the Response of KCNQ1 Channel to Beta-adrenergic Stimulation in Human iPSC-derived Cardiomyocytes 3357
Yuta Yamamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE79-4 Artificial Intelligence Based Optimization System for Cell-specific hiPSC-CMs Simulation and Prediction of Drug Testing 3358
Hirohiko Kohjitani (Kyoto University Hospital, Kyoto)
- OE79-5 Cytoplasmic Expansion of RNA-Binding Motif Protein 20 (Rbm20) is Critical for Development of Atrial Fibrillation in Mice 3358
Kensuke Ihara (Department of Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)
- OE79-6 Cardiac Emerinopathy, Novel Non-syndromic X-linked Left Ventricular Noncompaction Associated with Progressive Atrial Conduction Disturbance 3359
Taisuke Ishikawa (National Cerebral and Cardiovascular Center, Suita)

Oral Abstract 80

CIED 4

9:00-17:00

Chairperson : Masaomi Chinushi (School of Health Science, Niigata University of Medicine, Niigata)

Discussant : Tatsuya Usui (Division of Electrophysiology, Nagano Redcross Hospital, Nagano)

- OE80-1 Difference in Acute Effect of Non-Selective His-bundle Pacing and Conventional Right Ventricular Septum Pacing on Left Ventricular Regional Wall Motion 3360
Masao Takahashi (Department of Cardiology, Kyushu Rosai Hospital Moji Medical Center, Kitakyushu)
- OE80-2 The Evaluation about Increase in His Bundle Capture Threshold after Permanent His Bundle Pacing 3361
Ryo Watanabe (Department of Cardiology, JCHO Chukyo Hospital, Nagoya)
- OE80-3 Comparison of the Intrinsicoid Deflection on the Electrocardiogram among the Different Pacing Morphologies in Patients with His Bundle Pacing 3361
Satoshi Yanagisawa (Department of Advanced Cardiovascular Therapeutics, Nagoya University Graduate School of Medicine, Nagoya)
- OE80-4 What should We Do for Safety Follow-up of His-bundle Pacing? 3362
Daisuke Yoshimoto (Toyohashi Heart Center, Toyohashi)
- OE80-5 Predicting Factor of Left Ventricular Dysfunction after Right Ventricular Pacing 3362
Masahiko Mizobuchi (The Sakakibara Heart Institute of Okayama, Okayama)
- OE80-6 Leadless Pacemaker versus Transvenous Dual-chamber Pacemaker Therapy 3363
Jun Hirokami (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

Oral Abstract 81

AF Balloon Ablation/Others

9:00-17:00

Chairperson : Mitsuru Takami (Division of Cardiovascular Medicine, Kobe University Hospital, Kobe)
Chairperson : Koji Miyamoto (Department of Cardiology, National Cerebral and C)
Discussant : Yasuharu Matsunaga (Division of Cardiology, Osaka Rosai Hospital, Sakai)
Discussant : Suguru Nishiuchi (Department of Cardiology, Tenri Hospital, Tenri)

- OE81-1 Lesion Characteristics of the Re-conduction Sites after the Pulmonary Vein Isolation Using the Visually Guided Laser Balloon 3364
Hiro Yamasaki (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
- OE81-2 Clinical Investigation Regarding Relationship between Pulmonary Vein Reconnection and Dormant Conduction after Pulmonary Vein Isolation with Laserballoon 3365
Atsuhito Oda (Heart Center, Japan Red Cross Yokohama City Bay Hospital, Yokohama)
- OE81-3 Second-Generation Visually Guided Laser Balloon Ablation System for Pulmonary Vein Isolation: Learning Curve, Safety and Efficacy -The MERLIN Registry- 3365
Makoto Sano (Department of Cardiology, Internal Medicine 3, Hamamatsu University School of Medicine, Hamamatsu)
- OE81-4 Impact of the Lesion Size Index for 1 Year Outcome after Pulmonary Vein Isolation in Paroxysmal Atrial Fibrillation 3366
Yasushi Suzuki (Department of Cardiology, Aichi Medical University, Nagakute)
- OE81-5 Comparison of Pulmonary Vein Isolation with Cryoballoon and Laserballoon for Paroxysmal Atrial Fibrillation 3366
Hirotaka Yano (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)
- OE81-6 Impact of Touch-up Ablation on the Isolated Area after Pulmonary Vein Isolation by Three Balloon Systems 3367
Masaaki Yokoyama (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- OE81-7 A Change in the Cardiac Autonomic Nerve Activity after Atrial Fibrillation Ablation: A Comparison among Laser-balloon, Cryoballoon, and HotBalloon Ablation 3367
Takehito Sasaki (Division of Cardiology, Gunma Prefectural Cardiovascular Center, Maebashi)
- OE81-8 Comparison of Very Early Recurrence of Atrial Fibrillation after Pulmonary Vein Isolation among Different Balloon Devices 3368
Kenichi Yokoyama (Department of Cardiology, Jikei University School of Medicine, Tokyo)
- OE81-9 Assessment of Real-time Rotor Imaging before and after Hot-balloon Based Wide Antral Ablation in Patients with Persistent Atrial Fibrillation 3368
Hirotsugu Sato (Department of Cardiology, Dokkyo Medical University Saitama Medical Center, Saitama)

Oral Abstract 82

Basic Science for Heart Failure Physiology and Treatment

9:00-17:00

Chairperson : Tatsuya Morimoto (Division of Molecular Medicine, School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka)

Chairperson : Masahito Miura (Tohoku University Graduate School of Medicine, Department of Clinical Physiology, Sendai)

Discussant : Masaya Tanno (Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo)

Discussant : Yasuhiro Nakashima (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE82-1 Senescence Accelerated Mouse Prone 8 is a Murine Model of Sarcopenia/Frailty, but Paradoxically Exhibits Resistance to Pressure Overload-induced Cardiac Hypertrophy 3369
Ken Shinmura (Department of General Medicine, Hyogo College of Medicine, Nishinomiya)
- OE82-2 Sacubitril/Valsartan Improves Passive Myocardial Stiffness with Increased Titin Phosphorylation via cGMP-PKG Activation in Diabetic Mice 3370
Nozomi Furukawa (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
- OE82-3 Ketone Body as a Signaling Molecule to Induce Fibroblast Growth Factor 21: Implication for Cardioprotective Mechanism in Heart Failure 3370
Hiroaki Sunaga (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
- OE82-4 Empagliflozin Improves Cardiac Function through the Increased Production of Acetylcarnitine in a Murine Non-diabetic Heart Failure Model 3371
Masaaki Nakao (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- OE82-5 The Novel Long Non-coding RNA Expresses in Spleen Macrophage Ameliorates Cardiac Hypertrophy via Inhibition of MAP Kinase Pathway 3371
Kunimitsu Iwai (Department of Geriatrics, Kanazawa Medical University, Ishikawa)
- OE82-6 Glucose-dependent Insulinotropic Peptide is Essential for Maintenance of Cardiac Lipid Metabolism via FGF21-dependent Pathway 3372
Yasheng Remina (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

Oral Abstract 83

Vascular Disease 4

9:00-17:00

Chairperson : Hitoshi Anzai (SUBARU Health Insurance Society Ota Memorial Hospital, Ohta)

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

Discussant : Yoshiaki Shintani (Ageo Central General Hospital, Ageo)

- OE83-1 Impact of Endovascular Repair on the Outcomes of Elderly Patients with Ruptured Abdominal Aortic Aneurysms 3373
Tetsuo Yamaguchi (Department of Cardiovascular Center, Toranomon Hospital, Tokyo)
- OE83-2 Risk Factors of Acute Kidney Injury and Hemodialysis in Patients Who Underwent Surgery for Type A Acute Aortic Dissection 3374
Zhigang Wang (Department of Cardiothoracic Surgery, Nanjing Drum Tower Hospital, The Affiliated Hospital of Nanjing University Medical School, China)
- OE83-3 Prevention of Type II Endoleak after Endovascular Aortic Aneurysm Repair: Determination of Lateral Branch Embolization 3374
Masaya Kato (Department of Cardiology, Hiroshima City Asa Hospital, Hiroshima)
- OE83-4 Diagnostic and Early Prognostic Prediction with Coagulative and Fibrinolytic Markers in Cases of Acute Aortic Dissection 3375
Daisuke Arima (Department of Cardiovascular Surgery, Tsukuba Memorial Hospital, Tsukuba)
- OE83-5 Inter-arm Difference of Blood Pressure between the Right and Left Arms in Patients with Acute Aortic Dissection 3375
Nozomi Sasamoto (Department of Cardiovascular Medicine, Nippon Medical School Hospital, Tokyo)
- OE83-6 Impact of Preoperative Frailty on Long-term Mortality after Endovascular Aortic Repair among Patients with Aortic Diseases 3376
Naoki Takahashi (Division of Cardiology, Arrhythmology and Cardiovascular Surgery, Cardiovascular Center, Osaka Red Cross Hospital, Osaka)

Oral Abstract 84

Acute Heart Failure 1

9:00-17:00

Chairperson : Takeshi Adachi (Department of Cardiology, National Defense Medical College, Tokorozawa)
 Chairperson : Takayuki Onishi (Hiratsuka Kyosai Hospital, Department of Cardiology, Hiratsuka)
 Discussant : Shoichi Miyamoto (Division of Cardiology, Kyoritsu Hospital, Kyowakai, Kawanishi)
 Discussant : Shuhei Tsuji (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE84-1 Prognostic Impact of Nutritional Assessment in Patients with Acute Heart Failure and Excess Body Weight 3377
 Yusuke Uemura (Cardiovascular Center, Anjo Kosei Hospital, Anjo)
- OE84-2 Prognostic Impact of Marital Status and Family Structure on Patients with Heart Failure: Insights from the CURE-HF Registry 3378
 Keisuke Machida (Department of Cardiology, Ina Central Hospital, Ina)
- OE84-3 Prognostic Impact of Cohabitation Status in Hospitalized Patients with Acute Heart Failure 3378
 Kenichirou Yasuda (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)
- OE84-4 Arterial Stiffness was Associated with One-year Prognosis in Patients with Heart Failure Categorized in Clinical Scenario 1 3379
 Shunsuke Kiuchi (Department of Cardiovascular Medicine, Toho University Graduate School of Medicine, Tokyo)
- OE84-5 Prognostic Significance of Ankle-brachial Index in Patients with Heart Failure with Preserved Ejection Fraction from CURE-HF Registry 3379
 Yusuke Kanzaki (Department of Cardiology, Minami Nagano Medical Center Shinonoi General Hospital, Nagano)
- OE84-6 Impact of Renal Dysfunction on the Prognosis of Patients with Heart Failure Complicated with Atrial Fibrillation; From DPC Database Analysis 3380
 Keijiro Nakamura (Department of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo)
- OE84-7 Impact of Age- and Gender-related Differences on Long-term Clinical Outcomes in Patients with Heart Failure: Insights from the CURE-HF Registry 3380
 Keisuke Machida (Department of Cardiology, Ina Central Hospital, Ina)
- OE84-8 Prognostic Impact of Body Fat Percentage on Long-term Outcomes of Heart Failure: A Sub-analysis of the CURE-HF Registry 3381
 Daisuke Sunohara (Department of Cardiology, Nagano Municipal Hospital, Nagano)
- OE84-9 In-hospital Coronary Angiography is Associated with Increased Evidence Based Medications and Better Survival in Patients Hospitalized with Acute Heart Failure 3381
 Eiichi Akiyama (Division of Cardiology, Yokohama City University Medical Center, Yokohama)

Oral Abstract 85

Vascular Disease 2

9:00-17:00

Chairperson : Tetsuo Yamaguchi (Department of Cardiovascular Center, Toranomon Hospital, Tokyo)
 Chairperson : Taketsugu Tsuchiya (Kanazawa Medical University Hospital, Trans-catheter Cardiovascular Therapeutics, Kanazawa)

- OE85-1 Impact of Clinical Frailty on Microvascular Function in Patients with Critical Limb Ischemia 3383
 Takehiro Yamada (Department of Cardiology, Morinomiya Hospital, Osaka)
- OE85-2 The Effect of Clinical Frailty on Wound Healing in Patients with Critical Limb Ischemia 3384
 Kunihiko Nishian (Cardiovascular Department, Morinomiya Hospital, Osaka)
- OE85-3 The Association between Clinical Frailty and 3-Year Prognosis in Patients with Claudication and Critical Limb Ischemia: From I-PAD Registry 3384
 Tomoaki Mochidome (Department of Cardiology, Nagano Municipal Hospital, Nagano)
- OE85-4 Association between Polypharmacy and Major Adverse Cardiovascular and Limb Event in Patients with Peripheral Artery Disease from I-PAD 3-year Registry 3385
 Minami Inoue (Department of Cardiology, Shinshu University School of Medicine, Matsumoto)
- OE85-5 Withdrawn 3386
- OE85-6 Comparison of Scoring System of Frailty to Predict Clinical Impact in Patients with Critical Limb Ischemia 3386
 Yuki Kozai (Department of Cardiology, Saiseikai Yokohama-City Tobu Hospital, Yokohama)

Oral Abstract 86

CT/MRI (Myocardium)

9:00-17:00

Chairperson : Takashi Iwase (Department of Cardiovascular Medicine, Kawashima Hospital, Tokushima)
 Chairperson : Eri Watanabe (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
 Discussant : Akira Kurata (Ehime University Graduate School of Medicine, Matsuyama)
 Discussant : Kazuhiro Kobuke (Division of Cardiology, Kindai University Faculty of Medicine, Osaka)

- OE86-1 The Usefulness of T1 Mapping Cardiac Magnetic Resonance Imaging for Detecting Cardiac Involvement in the Early Stage of Systemic Sclerosis 3387
 Purevsuren Munkhtuul (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)
- OE86-2 Comprehensive Assessment of Left Ventricle and Atrium in Paroxysmal Atrial Fibrillation with Magnetic Resonance-based Extracellular Volume Fraction and Feature-tracking Strain 3388
 Akimasa Yamada (Department of Cardiology, Nihon University School of Medicine, Tokyo)
- OE86-3 The Association between Smoking and Myocardial Delayed Enhancement Detected by MDCT in Patients with ST-segment Elevation Myocardial Infarction 3388
 Kentaro Minami (Department of Cardiology, Tsukuba Medical Center Hospital, Tsukuba)
- OE86-4 Relationship between Cardiac Magnetic Resonance Derived Extracellular Volume Fraction and Myocardial Strain in Patients with Non-ischemic Dilated Cardiomyopathy 3389
 Mai Azuma (Department of Cardiology, Kanagawa Cardiovascular and Respiratory Center, Yokohama)
- OE86-5 Myocardial Scar was Associated with Left Ventricular Dysfunction of Unrecognized Myocardial Infarction in Patients with Severe Coronary Artery Calcification 3389
 Miyuki Ito (Cardiovascular Imaging Clinic Iidabashi, Tokyo)
- OE86-6 Myocardial T2 Mapping Detects Myocardial Inflammation in Patients with Sarcoidosis 3390
 Eri Watanabe (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Oral Abstract 87

Vascular Disease 1

9:00-17:00

Chairperson : Osami Kawarada (Cardiovascular Center, Hanwa Memorial Hospital, Osaka)
 Chairperson : Motoo Date (National Hospital Organization Osaka National Hospital, Osaka)

- OE87-1 Robust Effects and Safety of Tocilizumab in Patients with Steroid-resistant Takayasu Arteritis: Analysis of One-year Follow-up Data 3391
 Mitsuaki Isobe (Sakakibara Heart Institute, Tokyo)
- OE87-2 The Safety and Efficacy of Active Walking Training in Patients with Critical Limb Ischemia 3392
 Reiko Fujiwara (Department of Cardiology, Morinomiya Hospital, Osaka)
- OE87-3 Withdrawn 3392
- OE87-4 Triple Antithrombotic Therapy versus Dual Antiplatelet Therapy in Patients with Peripheral Artery Disease Undergoing Endovascular Therapy 3393
 Keiichi Hishikari (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE87-5 The Impact of Hyperuricemia on All Patients and Low-BMI Patients after Endovascular Treatments: From I-PAD Registry 3393
 Ayumu Nagae (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- OE87-6 Semaglutide Reduces Cardiovascular Risk in Subjects with Type 2 Diabetes: Combined Analyses of SUSTAIN 6 and PIONEER 6 3394
 Kosei Eguchi (Novo Nordisk Pharma Ltd., Tokyo)

Oral Abstract 88

Basic Science: Regeneration, Immunity, Vascular Science

9:00-17:00

Chairperson : Ikuko Endoh (Nippon Medical School Tama-Nagayama Hospital, Tokyo)
 Chairperson : Atsuhiko Kawamoto (Translational Research Center for Medical Innovation, Foundation for Biomedical Research and Innovation at Kobe, Kobe)
 Discussant : Yoshiyuki Ikeda (Department of Cardiovascular and Hypertension, Kagoshima University, Kagoshima)

- OE88-1 Efficient Large-scale Purification of Human iPSC-derived Cardiomyocytes by Synthetic MicroRNA Switch and Magnetic-activated Cell Sorting 3395
Takeshi Hatani (Department of Cell Growth and Differentiation, Center for iPS Cell Research and Application, Kyoto University, Kyoto)
- OE88-2 Therapeutic Efficacy of Large Aligned Cardiac Tissue Derived from Xeno-free Induced Pluripotent Stem Cell in a Porcine Ischemic Cardiomyopathy Model 3396
Kota Suzuki (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)
- OE88-3 Generation of Metabolically Mature Compact Cardiomyocyte from Human Pluripotent Stem Cells 3396
Shunsuke Funakoshi (McEwen Stem Cell Institute, Canada)
- OE88-4 Identification of the Master Gene Required for Adipose Tissue-derived Stem Cells Differentiating into Spontaneously Beating Cardiomyocyte-like Cells 3397
Shinichiro Takashima (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
- OE88-5 Activation of Interferon Regulatory Factor-5 in the Development of Autoimmune Myocarditis 3397
Ryo Saji (Yokohama City University School of Medicine, Department of Emergency Medicine, Yokohama)
- OE88-6 Elimination of Cells Expressing Senescence Associated Glycoprotein (SAGP) Attenuates Atherosclerotic Diseases 3398
Masayoshi Suda (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- OE88-7 Pemafibrate Reduces the Rupture of Experimental Aortic Aneurysm by Inhibiting Oxidative Stress 3398
Naofumi Amioka (Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama)
- OE88-8 Xanthine Oxidoreductase in Adventitial Macrophages Exacerbates Aortic Aneurysm Progression by Amplifying ROS Generation in a Mouse Model of Marfan Syndrome 3399
Hiroki Yagi (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)
- OE88-9 Impact of Left Ventricular Ejection Fraction in Patients with Critical Limb Ischemia: From I-PAD Registry 3399
Koki Fujimori (Shinshu Ueda Medical Center, Ueda)

Oral Abstract 89

Hypertension (Clinical)

9:00-17:00

Chairperson : Hiroyuki Watanabe (Dept. of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)
Chairperson : Shingo Seki (Division of Cardiology, The Jikei University Katsushika Medical Center, Tokyo)
Discussant : Sho Okada (Department of Cardiology, Chiba University Hospital, Chiba)
Discussant : Tatsuya Maruhashi (Department of Cardiovascular Medicine, Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima)

- OE89-1 Vaspin Predicts Membrane Microviscosity of Red Blood Cells and Microcirculatory Function in Hypertensive Subjects by a Nitric Oxide-Dependent Mechanism 3400
Kazushi Tsuda (Cardiovascular and Metabolic Research Center, Kansai University of Health Sciences, Osaka)
- OE89-2 Morning Surge in Blood Pressure as a Predictor of Worsening Heart Failure in Heart Failure with Reduced Ejection Fraction 3401
Takahiro Komori (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Tochigi)
- OE89-3 Household Income and the Risk of Incident Hypertension in Employees at Multiple Workplaces in Japan: J-HOPE 3401
Shingo Yanagiya (Department of Public Health, Hokkaido University Graduate School of Medicine, Sapporo)
- OE89-4 Not Variability but Average Level in Morning Blood Pressure: An Indicator of Left Ventricular Mass Index in the High-risk Elderly 3402
Michiaki Nagai (Department of Cardiology, Hiroshima City Asa Hospital, Hiroshima)
- OE89-5 Increase of Cardio-ankle Vascular Index Predict New Onset of Retinal Abnormality in Female 3402
Mao Takahashi (Department of Cardiology, Sakura Hospital, Medical Center, Toho University, Sakura)
- OE89-6 The Association between High Blood Pressure and the Development of Other Cardiometabolic Risk Factors in Middle-Aged Workers 3403
Yusuke Otsuka (Department of Cardiology, Nippon Medical School, Tokyo)

Oral Abstract 90

Hypertension (Pathophysiology)

9:00-17:00

Chairperson : Mari Nishizaka (Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)

Chairperson : Yoko Sakamoto (Department of Cardiovascular Surgery/Medicine, Osaka University, Suita)

Discussant : Toru Dejima (Yokohama Hodogaya Central Hospital, Yokohama)

Discussant : Yuichi Akasaki (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)

- OE90-1 Cysteine 42 Oxidation in Cyclic GMP Dependent Protein Kinase (PKG1 α) Enhances Salt Sensitivity through Sympathetic Activation 3404

Nobuyuki Tokunaga (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)

- OE90-2 Withdrawn 3405

- OE90-3 Genetic Variant of GRK5 Gene Predicts Future Development of Hypertension in a Normotensive General Population 3405

Tetsuya Takahashi (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)

- OE90-4 New Concept of Trigger-Specific Blood Pressure Sensitivity in ICT-based Multisensor ABPM is Associated with Cardiac Function in Heart Failure 3406

Keisuke Narita (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Shimotsuke)

- OE90-5 Assessment of Cardiovascular Events in Hypertensive Patients at Risk for Heart Failure Using Geriatric Nutritional Risk Index 3406

Toshikazu Hashizume (Department of Cardiology, Minami-Wakayama Medical Center, Tanabe)

- OE90-6 The Progression of Endothelial Dysfunction Associated with Dyslipidemia in Hypertension: Multicenter Prospective Study FMD-J Study 3407

Chisa Matsumoto (Tokyo Medical University, Tokyo)

Oral Abstract 91

Cardiac Rehabilitation 2

9:00-17:00

Chairperson : Masaaki Miyata (Kagoshima City Hospital, Cardiovascular Medicine, Kagoshima)

Chairperson : Akihiro Hirashiki (National Center for Geriatrics and Gerontology, Ohfu)

Discussant : Naoki Fujimoto (Department of Cardiology and Nephrology, Mie University School of Medicine, Tsu)

Discussant : Shunsuke Usami (Kansai Electric Power Hospital, Osaka)

- OE91-1 Current Status of Cardiac Rehabilitation in Japan Derived from Japanese Registry of All Cardiac and Vascular Diseases (JROAD) Database 3408

Hirokazu Shiraishi (Department of Cardiology, Kyoto Prefectural University of Medicine, Kyoto)

- OE91-2 Relationship between the Prognostic Value of Peak VO₂ and Age 3409

Yuko Kato (Department Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

- OE91-3 Hospitalization Acquired Functional Decline and Clinical Outcome in Older Patients Undergoing Transcatheter Aortic Valve Replacement 3409

Masakazu Saitoh (Department of Rehabilitation, Sakakibara Heart Institute, Tokyo)

- OE91-4 Atrial Fibrillation is Associated with Impaired Exercise Capacity and Adverse Prognosis in Heart Failure Patients with Mid-range Ejection Fraction 3410

Yu Sato (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

- OE91-5 Impact of Cardiac Rehabilitation on Reducing Rehospitalization and Subsequent Medical Expenses in Patients with Acute Coronary Syndrome 3410

Yuya Yokota (Showa University Fujigaoka Rehabilitation Hospital, Division of Cardiology, Yokohama)

- OE91-6 Relationship between Peak O₂ Uptake and Tidal Volume and Respiratory Rate (TV-RR) Slope 3411

Makoto Murata (Gunma Prefectural Cardiovascular Center, Maebashi)

- OE91-7 Thigh Intramuscular Fat is Associated with Exercise Intolerance and Predicts the Prognosis in Patients with Non-ischemic Cardiomyopathy 3411

Toshitake Yoshida (Department of Cardiology, Asakayama Hospital, Osaka)

- OE91-8 Association between Constipation and Frailty Components in Patients Undergoing Late Phase II Cardiac Rehabilitation 3412
Miho Yokoyama (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)
- OE91-9 Modified Home-Based Exercise Training Improves Functional Capacity in Atrial Septal Defect Associated Pulmonary Arterial Hypertension 3412
Annis Rakhmawati (University of Gadjah Mada/Dr. Sardjito Hospital, Indonesia)

Oral Abstract 92

Ventricular Arrhythmia 3

9:00-17:00

Chairperson : Atsunobu Kasai (Department of Cardiology, Japanese Red Cross Ise Hospital, Ise)
Chairperson : Kenji Okubo (Yokosuka Kyosai Hospital, Cardiovascular center, Yokosuka)
Discussant : Kazumasa Adachi (Cardiovascular and Heart Rhythm Center, Akashi Medical Center/Chibune General Hospital, Akashi)

- OE92-1 Electrophysiological and Histopathological Mechanism of Monomorphic Ventricular Tachycardia Associated with Primary Cardiac Tumor 3413
Hiroshige Murata (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)
- OE92-2 Efficacy of Catheter Ablation Using a Remote Magnetic Navigation System for Electrical Storm in Patients with Organic Heart Disease 3414
Hiroyuki Fujii (Department of Cardiology, Kakogawa Central City Hospital, Kakogawa)
- OE92-3 Dynamic Changes in Electrocardiogram Parameters after Epicardial Substrate Catheter Ablation of Brugada Syndrome 3414
Keita Mamiya (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE92-4 Relationship between Ventricular Fibrillation Occurrence and Fragmented QRS in Patients with Early Repolarization Syndrome 3415
Keisuke Yonezu (Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita)
- OE92-5 Selvester QRS Scoring Has Potential to Stratify Risks of Ventricular Tachy-arrhythmia among Patients Showing Brugada-type Electrocardiogram 3415
Yoshihiro Nomura (Department of Cardiology, Fujita Health University, Toyoake)
- OE92-6 Sustained and Non Sustained Ventricular-Tachycardia are Important-Predictors to Differentiate Arrhythmogenic-Right-Ventricular-Cardiomyopathy with Fat and Fibrotic Invasion to Left-Ventricular-Myocardium Using Four-Dimensional Cardiac-CT 3416
Nobusada Funabashi (Department of Cardiology, Chiba University Graduate School of Medicine, Chiba)

Oral Abstract 93

CIED 3

9:00-17:00

Chairperson : Nobuhiro Nishii (Department of Cardiovascular Medicine, Okayama University, Okayama)
Chairperson : Toshiaki Sato (Kyorin University, Division of Advanced Arrhythmia Management, Mitaka)

- OE93-1 Modified HASBLED Score as a Predictor of Periprocedural Bleeding after Implantation of Implantable Cardioverter Defibrillator 3417
Takatsugu Kajiyama (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)
- OE93-2 A Real World Study of High Frequency Atrial Anti-tachycardia Pacing in New Algorithm for Atrial Arrhythmia 3418
Masato Fukunaga (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE93-3 Relationship between Device-Detected Subclinical Atrial Fibrillation and the Risk of Heart Failure in Patients with Reduced Left Ventricular Ejection Fraction 3418
Shuhei Arai (Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo)
- OE93-4 Significance of Progression in Paroxysmal Advanced Atrioventricular Block in Determining Indications for Leadless Pacemaker Implantation 3419
Hiroaki Ohya (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE93-5 Ten-Years Experience of Transvenous Lead Removals Using Excimer Laser Sheath 3419
Michio Nagashima (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

- OE93-6 A Simple and Effective Tactic to Prevent Intracardiac Fragments during Complex Percutaneous Lead Extraction 3420
 Ayako Okada (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)

Oral Abstract 94

PCI 3

9:00-17:00

Chairperson : Junya Shite (Osaka Saiseikai Nakatsu Hospital, Cardiology, Osaka)
 Chairperson : Shinichiro Yamada (Kita-Harima Medical Center, Ono)
 Discussant : Takuya Taniguchi (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)
 Discussant : Nobuya Higashitani (Otsu Red Cross Hospital, Department of Cardiovascular Division, Otsu)

- OE94-1 Continued Use of Anti-platelets during Endoscopic Submucosal Dissection (ESD) Does not Decrease Cardiac Ischemic Events, but Increases Gastrointestinal Bleeding Events 3421
 Takayoshi Kanie (Cardiovascular Center, St. Luke's International Hospital, Tokyo)
- OE94-2 3-Year Clinical Outcomes of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention for Intermediate Severity Coronary Lesions in Patients with Hemodialysis 3422
 Hiroyuki Hikita (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE94-3 Comparison between Clopidogrel and Prasugrel Associated with CYP2C19 Genotypes in Patients Undergoing Percutaneous Coronary Intervention 3422
 Yuichi Sawayama (Department of Cardiovascular Medicine, Shiga University of Medical Science, Otsu)
- OE94-4 The Difference Effects of Balloon Angioplasty to Three-type of Morphology in In-stent Restenosis Evaluated with Optical Coherence Tomography 3423
 Nehiro Kuriyama (Cardiovascular Center, Miyazaki Medical Association Hospital, Miyazaki)
- OE94-5 Long-term Cardiovascular Outcomes in Patients with Collagen Disease Who Underwent Percutaneous Coronary Intervention 3423
 Shunsuke Maruta (Department of Cardiology, University of Tsukuba, Tsukuba)
- OE94-6 Tissue and Clinical Characteristics Intra-plaque Dissection in the Coronary In-stent Restenosis Lesion 3424
 Yoshinobu Murasato (Department of Cardiology, National Hospital Organization Kyushu Medical Center, Fukuoka)
- OE94-7 Malnutrition-inflammation-atherosclerosis Syndrome is a Central Role in the Prognosis of Polyvascular Disease 3424
 Ryo Arikawa (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)
- OE94-8 The Clinical Outcome of Fractional Flow Reserve Based Deferred Lesion of the Patients with Maintenance Hemodialysis 3425
 Junya Matsuura (Tokyo Women's Medical University, Tokyo)
- OE94-9 Impact of Neoatherosclerosis in Lesions with In-stent Restenosis Evaluated by Optical Coherence Tomography on Target Lesion Revascularization 3425
 Daisuke Nakamura (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

Oral Abstract 95

AF/Others 1

9:00-17:00

Chairperson : Shigeyuki Watanabe (Tsukuba University Hospital Mito Clinical Education and Training Center, Tsukuba)
 Chairperson : Hiroshige Yamabe (Department of Cardiology, Cardiovascular Center, Shin-Koga Hospital, Kurume)
 Discussant : Haruo Mitani (Toranomon Hospital, Department of Clinical Engineering, Department of Cardiology, Tokyo)

- OE95-1 Can Cryoballoon Ablation Produce Alterations in Cardiac and Extra-cardiac Autonomic Nervous System in Patients with Paroxysmal Atrial Fibrillation? 3426
 Shigetoshi Sakabe (Department of Cardiology, Ise Red Cross Hospital, Ise)
- OE95-2 Alterations of Resting Heart Rate and Heart Rate Variability after Cryoballoon Ablation in Patients with Paroxysmal Atrial Fibrillation 3427
 Shigetoshi Sakabe (Department of Cardiology, Ise Red Cross Hospital, Ise)
- OE95-3 The Impact of Rocuronium on Diaphragmatic Compound Motor Action Potential (CMAP) in Cryoablation for Atrial Fibrillation 3427
 Jiro Hiroki (Department of Cardiology, Kameda Medical Center, Chiba)

- OE95-4 Optimal Sites for Measurement of Compound Motor Action Potential Amplitude 3428
Shingo Maeda (Arrhythmia Advanced Therapy Center, AOI Universal Hospital, Kawasaki)
- OE95-5 The Relationship between Required Energy of Internal Cardioversion and Recurrence after Catheter Ablation for Non-Paroxysmal Atrial Fibrillation 3428
Takuro Imaoka (Department of Cardiology, Ogaki Municipal Hospital, Ogaki)
- OE95-6 Maze Procedure without Roof Ablation Restores Atrial Contraction 3429
Tadashi Takasaki (Cardiovascular Surgery, Osaka Red Cross Hospital, Osaka)

Oral Abstract 96

Lipid 2

9:00-17:00

Chairperson : Mari Nishizaka (Cardiovascular Medicine, Kirameki Project Career Support Center, Kyushu University Hospital, Fukuoka)

Chairperson : Masa-Aki Kawashiri (Department of Cardiovascular Medicine, Kanazawa University Graduate School of Medical Sciences, Kanazawa)

Discussant : Daisaku Masuda (Department of Cardiology, Rinku General Medical Center, Izumisano)

- OE96-1 The Association of Apolipoprotein C-III with Plaque Burden and Its Compositions in Patients with Coronary Artery Disease: Observations from NIRS/IVUS 3430
Satoshi Kitahara (National Cerebral and Cardiovascular Center, Suita)
- OE96-2 Aortic Valve Calcification in Heterozygous Familial Hypercholesterolemia with Coronary Artery Disease 3431
Erina Tomari (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE96-3 Association between Flow-Mediated Dilation and Lipid Profiles beyond LDL-Cholesterol Level as the Coronary Artery Disease Risk -From the FMD-J Data- 3431
Shichiro Abe (Department of Cardiovascular Medicine, Dokkyo Medical University, Tochigi)
- OE96-4 Statins Bring the Prognostic Impact only in Peripheral Artery Disease Patients with Elevated C-reactive Proteins 3432
Eiji Shibahashi (Tokyo Women's Medical University Medical Center East, Tokyo)
- OE96-5 High-normal Triglycerides are Associated with Increased Cardiovascular Events in Patients with Coronary Artery Disease 3432
Masato Kajikawa (Division of Regeneration and Medicine, Medical Center for Translational and Clinical Research, Hiroshima University Hospital, Hiroshima)
- OE96-6 Low Serum Levels of n-3 Polyunsaturated Fatty Acids are Associated with Ventricular Fibrillation in Patients without Organic Coronary Artery Stenosis 3433
Shotaro Saito (Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Yufu)
- OE96-7 Withdrawn 3433
- OE96-8 Effect of Luseoglitazone and Voglibose on High-risk Lipid Profile in Diabetic Patients with Heart Failure: A Sub-analysis of Randomized-controlled Trial 3434
Kentaro Ejiri (Department of Cardiology, Okayama Rosai Hospital, Okayama)
- OE96-9 The Current Status of Achievement of Low-density Lipoprotein Cholesterol Management Targets in Familial Hypercholesterolemia Patients at Osaka University Hospital 3435
Takeshi Okada (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

Oral Abstract 97

Biomarkers for Heart Failure

9:00-17:00

Chairperson : Takafumi Sakamoto (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)

Discussant : Masayoshi Oikawa (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

Discussant : Masayasu Izuwara (Kishiwada City Hospital, Department of Cardiology, Kishiwada)

- OE97-1 Association between Transcardiac Gradient of Follistatin-like 1 and Cardiac Events in Patients with Non-ischemic Dilated Cardiomyopathy 3436
Hideo Oishi (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE97-2 Elevation of Angiotensin-2 Relative to B-type Natriuretic Peptide is Associated with Continuous Flow Mechanical Circulatory Support and Bleeding Events 3437
Makiko Nakamura (The Second Department of Internal Medicine, University of Toyama, Toyama)

- OE97-3 Association of C-reactive Protein to Prealbumin Ratio with All-cause, Cardiac, and Non-cardiac Mortality in Patients Hospitalized for Acute Heart Failure 3437
Takahiro Yamada (Department of Cardiology, Tokyo Women's Medical University Hospital, Tokyo)
- OE97-4 Elevated Pericardial Fluid Levels of Natriuretic Peptide and Troponin T are Involved in Left Ventricular Dysfunction with Ischemic Heart Disease 3438
Shoichi Miyamoto (Division of Cardiology, Kyoritsu Hospital, Kawanishi)
- OE97-5 Fibrosis-4 Index Reduction during Admission Predicts Mid-term Outcomes in Patients with Heart Failure 3439
Daichi Maeda (Department of Cardiology, Osaka Medical College, Takatsuki)
- OE97-6 Prognostic Value of Bioelectrical Impedance Analysis and Natriuretic Peptide in Heart Failure with Preserved versus Reduced Left Ventricular Ejection Fraction 3439
Yoshiyuki Yazaki (Division of Cardiovascular Medicine, Toho University Medical Center Ohashi Hospital, Tokyo)

Oral Abstract 98

Diabetes 1

9:00-17:00

Chairperson : Tomio Umemoto (Cardiovascular Department, Jichi Saitama Medical Center, Saitama)
Chairperson : Tatsuya Nunohiro (Nagasaki Harbor Medical Center, Nagasaki)
Discussant : Ryuichi Kato (Social Medical Corporation Yamatokai Foundation, Higashiyamato Hospital, Department of Cardiology, Higashiyamato)

- OE98-1 VEGF-C as an Inverse Predictor of Total Mortality in Patients with Diabetes and Stable Coronary Heart Disease: The ANOX Study 3440
Hiromichi Wada (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE98-2 Withdrawn 3441
- OE98-3 Postprandial Blood Glucose and Triglyceride Level Regulates HSC Transcription, Premature Aging and Rejuvenation 3442
Masayoshi Iwasaki (Department of Medicine II, Kansai Medical University, Hirakata)
- OE98-4 Predictors for Silent Myocardial Ischemia and Prognostic Impact in Asymptomatic Patients with Diabetes Mellitus 3442
Toshiaki Suzuki (Showa University Koto-Toyosu Hospital, Toyosu)
- OE98-5 Novel Direct Effects of Canagliflozin on Myocardial Redox State in Humans; Potential Role of SGLT1 Inhibition 3443
Hidekazu Kondo (Department of Cardiology and Clinical Examination, Oita University, Yufu)
- OE98-6 HGI in Relationship to the Risk of Cardiovascular Complication in Patients with Type 2 Diabetes: A Systematic Review and Meta-analysis 3443
Liuxin Zhang (Nanjing Medical University, China)

Oral Abstract 99

Diabetes 2

9:00-17:00

Chairperson : Haruyasu Ito (Department of Cardiology, Osaka Red Cross Hospital, Osaka)
Chairperson : Ichiro Kishimoto (Toyooka Public Hospital, Endocrinology and Diabetes, Toyooka)
Discussant : Manabu Ogita (Juntendo University Shizuoka Hospital (Department of Cardiology), Tokyo)
Discussant : Kenji Sakamoto (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)

- OE99-1 Impact of HFpEF and HFrEF in Patients with or without Diabetes after Coronary Revascularization; Analysis from the CREDO-Kyoto Registry Cohort-2 3444
Eri Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE99-2 Effects of Long-term Dapagliflozin Treatment on Hemorheology, Leukocyte Activation, and Oxidative Stress (D-PATH Study) 3445
Takanori Yasu (Departments of Cardiovascular Medicine and Nephrology, Dokkyo Medical University Nikko Medical Center, Nikko)
- OE99-3 Dipeptidyl Peptidase-4 Inhibitors were Associated with the Reduced Long-term Risk of Adverse Cardiovascular Events in Diabetic Patients Following PCI 3445
Yuichi Chikata (Department of Cardiovascular Medicine, Juntendo University, Graduate School of Medicine, Tokyo)

- OE99-4 One-year Intervention of Dapagliflozin Reduces Epicardial Visceral Adipose Tissue Volumes in Cardiovascular Patients with Treatment-naïve Type 2 Diabetes Mellitus 3446
Hideki Kunichika (Department of Cardiovascular Medicine, Saiseikai Yamaguchi General Hospital, Yamaguchi)
- OE99-5 Impact of Sodium-glucose Cotransporter 2 Inhibitors on Cardiac Remodeling and Exercise Capacity after Acute Myocardial Infarction: A Pilot Study 3446
Daisuke Kitano (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)
- OE99-6 GDF-15 as a Predictor of Mortality in Patients with Diabetes and Suspected or Known Coronary Heart Disease: The ANOX Study 3447
Hiromichi Wada (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto)

Oral Abstract 100

Vascular Disease 3

9:00-17:00

Chairperson : Hiroshi Araki (Yokosuka General Hospital Uwamachi, Division of Cardiovascular Disease, Yokosuka)
Chairperson : Yoshihisa Morimoto (Kita-Harima Medical Center, Cardiovascular Surgery, Ono)

- OE100-1 Impact of Controlling Nutritional Score on the Clinical Outcomes in Patients with Critical Limb Ischemia Who Underwent Endovascular Therapy 3448
Toshifumi Takamatsu (Department of Cardiology, Shinshu University, Matsumoto)
- OE100-2 Incidence, Predictors, and Prognostic Implications of Hospitalization for Late Bleeding after Endovascular Therapy 3449
Keiichi Hishikari (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE100-3 Prognostic Significance of D-dimer in Patients with Peripheral Arterial Disease after Endovascular Treatment in I-PAD 3-year Registry 3450
Yusuke Kanzaki (Department of Cardiology, Minami Nagano Medical Center Shinonoi General Hospital, Nagano)
- OE100-4 Impact of Hyperuricemia on Patients with Diabetes Mellitus Who Underwent Endovascular Therapy; From I-PAD 3-year Registry 3450
Ken Nishikawa (Department of Cardiovascular Medicine, Joetsu General Hospital, Joetsu)
- OE100-5 Impact of Geriatric Nutritional Risk Index for the Mortality of Peripheral Artery Disease Patients Who Underwent Endovascular Treatment 3451
Shogo Ide (Department of Cardiology, Shinshu University School of Medicine, Matsumoto)
- OE100-6 Withdrawn 3452

Oral Abstract 101

Venous Thromboembolism

9:00-17:00

Chairperson : Yasuyo Taniguchi (Hyogo Brain & Heart Center at Himeji, Dept. of Cardiology, Himeji)
Chairperson : Yugo Yamashita (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Yugo Yamashita (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Toshiaki Izumi (Saiseikai Noe Hospital, Department of Cardiology, Osaka)

- OE101-1 Venous Thromboembolism after the Torrential Rain Disaster 2018 in Kurashiki-Mabi District 3453
Shiro Uemura (Department of Cardiovascular Medicine, Kawasaki Medical School, Kurashiki)
- OE101-2 Post Marketing Surveillance of Anticoagulant Drug Apixaban Real World Data in Patients with VTE (STANDARD-VTE) 3454
Ako Ohsawa (Pfizer Japan Inc., Tokyo)
- OE101-3 Efficacy of Direct Oral Anticoagulants in Patients with Cancer-associated Venous Thromboembolism 3454
Norimichi Koitabashi (Department of Cardiovascular Medicine, Gunma University, Maebashi)
- OE101-4 Utility of Simplified PESI Score for Identification of Low-risk Pulmonary Embolism Patients with Active Cancer: From the COMMAND VTE Registry 3455
Yugo Yamashita (Kyoto University Graduate School of Medicine, Kyoto)
- OE101-5 Incidence and Predictors of Venous Thromboembolism Recurrence after a First Isolated Distal Deep Vein Thrombosis 3455
Hiroyuki Naito (Department of Clinical Laboratory, Tsukuba University Hospital, Tsukuba)

- OE101-6 ETNA-VTE-Japan: Final Report of Safety and Effectiveness of Edoxaban for Patients with Venous Thromboembolism in a Real-world One-year Observational Study 3456
Norikazu Yamada (Department of Cardiology, Kuwana City Medical Center, Mie)

Oral Abstract 102

Prevention 1

9:00-17:00

Chairperson : Atsushi Izawa (Shinshu University School of Health Sciences, Matsumoto)
Chairperson : Minako Yamaoka-Tojo (Kitasato University School of Allied Health Sciences, Tokyo)
Discussant : Takanari Fujita (Koto Memorial Hospital, Omi)
Discussant : Makiko Taniyama (Okayama University, Okayama)

- OE102-1 N-terminal Pro-B-type Natriuretic Peptide can Predict New-onset Atrial Fibrillation in a General Population: The Hisayama Study 3457
Takuya Nagata (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kyushu University, Fukuoka)
- OE102-2 Risk Factors for Major Bleeding in Japanese Atrial Fibrillation Patients under 75-years Old in Clinical Practice: The Fushimi AF Registry 3458
Mitsuru Ishii (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE102-3 Cardiovascular Outcomes Associated with Left Ventricular Hypertrophy in a Japanese Nationwide General Practice Population: The J-HOP Study 3459
Takeshi Fujiwara (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Shimotsuke)
- OE102-4 Predicting Cardiovascular Events after Hospitalization for Heart Failure Preserved Ejection Fraction: The CURE-HF Score 3459
Takahiro Okano (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- OE102-5 Contribution of Geriatric Nutritional Risk Index in the Prediction of Adverse Cardiovascular Events of Patients with Heart Failure 3460
Yukari Okuma (Department of Cardiology, Nagano Red Cross Hospital, Nagano)
- OE102-6 Correlation of Modified Ideal Cardiovascular Health Metrics between 148,510 Couples 3460
Hidetaka Itoh (The Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)

Oral Abstract 103

AF/Epidemiology

9:00-17:00

Chairperson : Mikiko Nakagawa (Medical Education Center, Oita University, Oita)
Chairperson : Akihiro Komasa (Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto)
Discussant : Taro Adachi (Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo)

- OE103-1 Alcohol Consumption and Left Atrial Remodeling in Atrial Fibrillation Patients 3461
Yuichiro Sagawa (Department of Cardiology, Japanese Red Cross Musashino Hospital, Tokyo)
- OE103-2 Alcohol Consumption and Progression of Atrial Fibrillation 3462
Yoshihide Takahashi (Department of Advanced Arrhythmia Research, Tokyo Medical and Dental University, Tokyo)
- OE103-3 Impacts of BMI and Ablation Procedures on AF Recurrence in Patients with Persistent AF 3463
Aiko Takami (Division of Cardiovascular Medicine, Department of Molecular Medicine and Therapeutics, Faculty of Medicine, Tottori University, Yonago)
- OE103-4 Clinical Impact of Visit to Visit Blood Pressure Variability on Atrial Fibrillation Recurrence in Hypertensive Patients 3463
Masashi Kamioka (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE103-5 Preoperative Nutrition Status and Arrhythmia Recurrence after Catheter Ablation for Atrial Fibrillation 3464
Masakazu Kaneko (Department of Cardiology, Japanese Red Cross Musashino Hospital, Tokyo)
- OE103-6 Extent of Self-adjustment to Atrial Fibrillation Determines Suitability of an Aggressive Sinus Maintenance Therapy in Persistent Atrial Fibrillation Patients 3464
Tomoari Kuriyama (Kitano Hospital, The Tazuke Kofukai Medical Research Institute, Osaka)

Oral Abstract 104

AF Mapping/Multipoint Mapping 2

9:00-17:00

Chairperson : Yumie Matsui (Department of Cardiology, Osaka Saiseikai Izuo Hospital, Osaka)

Chairperson : Satoshi Higa (Division of Cardiovascular Medicine, Cardiac Electrophysiology and Pacing Laboratory, Makimino Central Hospital, Urasoe)

Discussant : Fumiharu Miura (Hiroshima Prefectural Hospital, Department of Cardiology, Hiroshima)

Discussant : Yoshio Furukawa (Osaka General Medical Center, Osaka)

- OE104-1 The Relationship between Fibrotic Areas Assessed by LGE-MRI and Non-Passively Activated Areas Detected by ExTRa Mapping in Atrial Fibrillation Patients 3465
Toshihiro Nakamura (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE104-2 Modification of Atrial Fibrillation Driver under ExTRa Mapping Improves Medium- to Long-term Ablation Outcome in Patients with Non-paroxysmal Atrial Fibrillation 3466
Yusuke Okuyama (Department of Cardiovascular Medicine, Shiga University of Medical Science, Otsu)
- OE104-3 Examination of the Relationship between Fragment Potentials and Non-passively Activated Areas with an ExTRa Mapping System for Persistent Atrial Fibrillation 3466
Daisuke Kawano (Department of Cardiology, Hiroshima Prefectural Hospital, Hiroshima)
- OE104-4 Comparison of the Visualized Fibrillatory Activity Analyzed by the ExTRa Mapping System between Paroxysmal and Non-paroxysmal Atrial Fibrillation Patients 3467
Kazuyoshi Suenari (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima)
- OE104-5 Distributions and Number of AF Drivers on Real-time Phase Mapping Associate with Successful AF Termination during Catheter Ablation for AF 3467
Shuro Riku (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE104-6 Characteristics of Regions Facilitating Complex Rotational Activities and Its Modification in Persistent Atrial Fibrillation: An ExTRa Mapping Study 3468
Asuka Nishimura (Department of Cardiology, Fujita Health University, Toyoake)

Oral Abstract 105

AF Mapping/Multipoint Mapping 3

9:00-17:00

Chairperson : Yasuya Inden (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

Chairperson : Masato Fukunaga (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

Discussant : Masato Fukunaga (Kokura Memorial Hospital, Department of Cardiology, Kitakyushu)

- OE105-1 An Intuitive Interpretation of Novel Diagnostic Algorithm Attached to RHYTHMIA™ Mapping System to Understand the Mechanisms of Atrial Tachycardias 3469
Yasuaki Tanaka (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE105-2 The New Identification Method of Complex Fractionated Atrial Electrograms Region in Atrial Fibrillation: The Usefulness of HD Grid Catheter 3470
Hisanori Kanazawa (Department of Cardiac Arrhythmias, Kumamoto University Hospital, Kumamoto)
- OE105-3 Predictors for Left Atrial Global Bipolar Voltage Reduction in Atrial Fibrillation Patients: An Analysis Using the HD Grid Mapping Catheter 3470
Kana Nakashima (Department of Cardiovascular Medicine, Saga University, Saga)
- OE105-4 Impact of Aging on Left Atrial Global Bipolar Voltage Reduction: An Analysis Using the Advisor HD Grid Mapping Catheter 3471
Takayuki Kitai (Department of Cardiology, Cardiovascular Medicine Sapporo Heart Center, Sapporo Cardio Vascular Clinic, Sapporo)
- OE105-5 Characteristics of Slow Conduction Zone in the Left Atrium during Different Wave Direction: An Analysis using HD Grid Mapping Catheter 3471
Toyokazu Otsubo (Department of Cardiovascular Medicine, Saga University, Saga)
- OE105-6 Does Different Wave Directions Change Global Bipolar Voltage? An Analysis Using the HD Grid Mapping Catheter in Atrial Fibrillation Patients 3472
Kana Nakashima (Department of Cardiovascular Medicine, Saga University, Saga)

Oral Abstract 106

Arrhythmia

9:00-17:00

Chairperson : Takeshi Soeki (Department of Cardiovascular Medicine, Tokushima University Graduate School, Tokushima)
 Chairperson : Yoshimori An (National Hospital Organization Kyoto Medical Center, Department of Cardiology, Kyoto)
 Discussant : Takeshi Tobiume (Tokushima University, Tokushima)

- OE106-1 **Manifestation of Accessory Pathway by Inhibiting the Conduction of Atrioventricular Node Using Ultra-short-acting Intravenous Beta-1 Adrenergic Blocker** 3473
 Takahiko Kinjo (Advance Emergency and Critical Care Center, Hirosaki University Hospital, Hirosaki)
- OE106-2 **Diagnosis of ATs with Centrifugal Activation Using the Ultra-High Resolution/Density Mapping System; Focal ATs vs. Passive ATs** 3474
 Hiroki Iju (Department of Cardiology, Tokyo Medical and Dental University, Tokyo)
- OE106-3 **Proportion of CIED Implantation and Incidence of Appropriate Therapy in Patients with Wild-type Amyloidogenic Transthyretin Cardiac Amyloidosis** 3474
 Yusei Kawahara (Department of Cardiology, Kumamoto University School of Medicine, Kumamoto)
- OE106-4 **Withdrawn** 3475
- OE106-5 **Effect of a School-based Screening Program on the Outcome of Patients with Long QT Syndrome** 3475
 Masao Yoshinaga (Department of Pediatrics, National Hospital Organization Kagoshima Medical Center, Kagoshima)
- OE106-6 **Inconsistency between Epinephrine Provocation Test and Genetic Test in Type 2 Long QT Syndrome** 3476
 Shunsuke Miyauchi (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE106-7 **The Association of Right Pulmonary Vein Carina Size and the Remaining of Carina Conduction after Pulmonary Vein Isolation** 3476
 Tomoyuki Shiozawa (Department of Cardiology, Juntendo University Shizuoka Hospital, Izunokuni-shi)
- OE106-8 **Anatomical Causality of Para-subclavian Lead Disconnection: Learn from Lead Extraction Cases** 3477
 Hiroshi Furusho (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
- OE106-9 **Atrial Fibrillation Termination Caused by Electrogram Based Ablation; Compared with CFAE v.s. CFAE+Dispersion** 3477
 Issei Yoshimoto (Department of Cardiology, Kagoshima City Hospital, Kagoshima)

Oral Abstract 107

Thromboembolism 3

9:00-17:00

Chairperson : Takenori Okada (Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital, Hiroshima)
 Chairperson : Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)

- OE107-1 **Dose Reduction of Direct Oral Anticoagulants when Used with Antiplatelet Agents: A Retrospective, Propensity Score Matched Study from Direct Registry** 3478
 Tomoaki Kobayashi (Division of Cardiology, Osaka Police Hospital, Osaka)
- OE107-2 **Risk Factors of Worsening Renal Function in Patients with Atrial Fibrillation: The Fushimi AF Registry** 3479
 Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE107-3 **Predictive Value of the CHA₂DS₂-VASc Score for Stroke and Cardiovascular Death in Patients with Atrial Fibrillation: The Fushimi AF Registry** 3479
 Yoshimori An (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE107-4 **Clinical Characteristics and the Risks of Thromboembolism in Elderly Japanese Patients with Nonvalvular Atrial Fibrillation: The Hokuriku-Plus AF Registry** 3480
 Toyonobu Tsuda (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
- OE107-5 **Estimated Values of Renal Function as Prognostic Surrogate Markers in Japanese Patients with Non-Valvular Atrial Fibrillation: The J-RISK AF** 3480
 Takuto Arita (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE107-6 **Association of Renal Function and Clinical Characteristics in Elderly Non-valvular Atrial Fibrillation (NVAf) Patients from The ANAFIE Registry** 3481
 Wataru Shimizu (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

Oral Abstract 108

Thromboembolism 4

9:00-17:00

Chairperson : Tsutomu Endo (Saiseikai Yokohamashi Nanbu Hospital, Department of Cardiology, Yokohama)
 Chairperson : Eitaro Kodani (Department of Internal Medicine and Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo)
 Discussant : Tetsuya Watanabe (Osaka General Medical Center, Osaka)
 Discussant : Hirokazu Kondoh (Department of Cardiology, Tenri Hospital, Tenri)

- OE108-1 Edoxaban Blood Concentrations Vary Considerably and Correlate with Anti-Factor Xa Activity in Atrial Fibrillation Patients 3482
 Minoru Horie (Center for Epidemiologic Research in Asia, Shiga University of Medical Science, Ohtsu)
- OE108-2 Morphology of Left Atrial Appendage and Risk for Thrombus Formation 3483
 Yasuhide Tsuda (Department of Cardiology, AOI Universal Hospital, Kawasaki)
- OE108-3 The Prevalence and Clinical Significance of Subclinical Atrial Fibrillation Detected by Cardiac Implantable Electronic Devices 3483
 Mitsuhiro Shoda (Department of Cardiology, Hyogo Brain and Heart Center, Himeji)
- OE108-4 Predictor of Silent Cerebral Infarctions Associated with Catheter Ablation for Atrial Fibrillation 3484
 Yoshio Furukawa (Osaka General Medical Center, Osaka)
- OE108-5 The Low Left Atrial Appendage Flow Velocity as a Risk of Thromboembolic Events after Catheter Ablation for Atrial Fibrillation 3484
 Shintaro Yamagami (Department of Cardiology, Kyoto University Graduate School of Medicine, Kyoto)
- OE108-6 Outcome of Patients with Left Atrial Appendage Thrombus Just before Atrial Fibrillation Ablation 3485
 Nayuka Sumida (Cardiology, NHO Tokyo Medical Center, Tokyo)

Oral Abstract 109

Immune System/Myocarditis

9:00-17:00

Chairperson : Kyoko Imanaka-Yoshida (Department of Pathology and Matrix Biology, Mie University Graduate School of Medicine, Tsu)
 Chairperson : Naoki Ishimori (Department of Community Heart Failure Healthcare and Pharmacy, Hokkaido University Graduate School of Medicine, Sapporo)
 Discussant : Takashi Igawa (Department of Immunology and Rheumatology, Unit of Advanced Preventive Medical Sciences, Division of Advanced Preventive Medical Sciences, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki)
 Discussant : Masahiro Kimura (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- OE109-1 Peri-Coronary Adipose Tissue Attenuation is Associated with Whole Vessel and Lesion Plaque Assessment on Coronary Computed Tomography Angiography and FFR 3486
 Masahiro Hoshino (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE109-2 Association between Peri-Coronary Adipose Tissue Inflammation and Physiological Stenosis Severity Evaluated by Fractional Flow Reserve 3487
 Masahiro Hoshino (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE109-3 Clinical Significance of the Controlling Nutritional Status (CONUT) Score in Patients with Infective Endocarditis 3487
 Yuki Saito (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)
- OE109-4 Residual Inflammation Indicated by High-sensitive C-reactive Protein Predict Worse Long-term Clinical Outcomes in Patients Undergoing Percutaneous Coronary Interventions 3488
 Norihito Takahashi (Juntendo University Graduate School of Medicine, Cardiovascular Medicine, Tokyo)
- OE109-5 Risk Factors of Cardiac Implantable Electronic Device Infection in Current Clinical Settings: A 10-Year Single-Center Observational Study 3489
 Hironori Ishiguchi (Division of Cardiology, Shimane Prefectural Central Hospital, Izumo)
- OE109-6 Identification of Predictors of Cardiovascular Events in Japanese Patients with Systemic Lupus Erythematosus from the LUNA Registry 3489
 Takashi Igawa (Department of Immunology and Rheumatology, Unit of Advanced Preventive Medical Sciences, Division of Advanced Preventive Medical Sciences, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki)
- OE109-7 Clinical Characteristics and Outcomes among Patients Hospitalized with Infective Endocarditis at a Major Tertiary Referral Center 3490
 Yoshinobu Suwa (Division of Cardiology, Department of Medicine II, Kansai Medical University, Osaka)

OE109-8 Withdrawn 3490

OE109-9 Clinical Advantage of IMPELLA Support for Fulminant Myocarditis 3491

Kei Nakamoto (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

Oral Abstract 110

Prevention 2

9:00-17:00

Chairperson : Taku Iwami (Kyoto University Health Services, Kyoto)

Chairperson : Eduardo Bianco (Framework Convention Alliance (FCA), Uruguay)

OE110-1 Efficacy of Intensive Lipid Lowering Therapy on Cardiovascular Diseases: A Systematic Review and Meta-analysis of Randomized Trials 3492

Hsin-Yin Hsu (Department of Family Medicine, MacKay Memorial Hospital, Taiwan)

OE110-2 Is More Strict Managements after Achievement of Standard Target Value of Low-density Lipoprotein Cholesterol Effective? 3493

Akihiro Endo (Division of Cardiology, Shimane University Faculty of Medicine, Izumo)

OE110-3 Clinical Characteristics and Outcome of Super-elderly Patients (over 90 Years Old) with Acute Decompensated Heart Failure (ADHF) 3493

Shigeto Tsukamoto (Tokyo CCU Network Scientific Committee, Tokyo)

OE110-4 Left Ventricular Septal Bulge and Thoracic Kyphosis Induce Cardiac Conduction Disturbance in Patients with Pacemaker Implantation 3494

Atsushi Kobayashi (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

OE110-5 Baseline Analysis of Non-Valvular Atrial Fibrillation (NVAf) Comprehension and Anticoagulant Adherence in Elderly NVAf Patients from the ANAFIE Registry 3494

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

OE110-6 Safety and Feasibility of Early Hospital Discharge in Low-risk Acute Myocardial Infarction 3495

Yosuke Nishihata (Department of Cardiovascular Medicine, St. Luke's International Hospital, Tokyo)

Oral Abstract 111

Prevention 3

9:00-17:00

Chairperson : Taku Inoue (Cardiovascular Medicine, Nambu Hospital, Itoman, Fukuoka)

Chairperson : Hideki Horibe (Department of Cardiovascular Medicine, Gifu Prefectural Tajimi Hospital, Tajimi)

Discussant : Shinya Ikeda (Kyoto University Hospital, Department of Cardiology, Kyoto)

OE111-1 Withdrawn 3496

OE111-2 The Low Pulse Rate is Associated with a High Risk of Incident Cardiovascular Diseases in Elderly Community Dwellers 3497

Masaki Ohsawa (Department of Internal Medicine, School of Medicine, Iwate Medical University, Morioka)

OE111-3 Combined Evaluation of Nutrition Screening Indexes on Long-term Mortality in Patients Hospitalized for Acute Heart Failure 3497

Kenichirou Yasuda (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)

OE111-4 Current Status of the Management and Outcomes of Acute Aortic Dissection in Japan 3498

Tetsuo Yamaguchi (Department of Cardiovascular Center, Toranomon Hospital, Tokyo)

OE111-5 Paradoxical Association between Atrial Fibrillation and High Cholesterol over Age 75 Years 3498

Tagayasu Anzai (School of Public Health, University of Hawaii, USA)

OE111-6 Association of Peripheral White Blood Cell Count with Daily Fish Intake: Implication for the Anti-atherosclerotic Effect of Fish Consumption 3499

Kenji Kawauchi (Department of Cardiology, Nihon University Hospital, Tokyo)

Oral Abstract 112

Prevention 4

9:00-17:00

Chairperson : Masaki Ohsawa (Department of Internal Medicine, Morioka Tsunagi Onsen Hospital, Morioka)

Chairperson : Kaori Ishikawa (Department of General Internal Medicine, Kagawa University Hospital, Takamatsu)

Discussant : Tomohiko Sato (New Tokyo Hospital, Matsudo)

- OE112-1 Relationship between Sleep Duration and Cardio-metabolic Risk Factors According to Gender Difference: A Cross-sectional Study in a Japanese Population 3500
 Rei Matsuo (Department of Cardiology, Nihon University Hospital, Tokyo)
- OE112-2 Do Sleep Inducers Affect Prognosis? 3501
 Emi Fujii (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE112-3 Single Nucleotide Polymorphisms of PAR2 Gene are Associated with Subclinical Myocardial Damage in the General Population 3501
 Tetsuya Takahashi (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- OE112-4 Association between Statin Therapy and Body Mass Index after Undergoing Endovascular Treatment: Insight from I-PAD Study 3502
 Takahiro Sakai (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- OE112-5 Withdrawn 3503
- OE112-6 Prediction of Risk of Cardiovascular Events in Elderly Patients with Hypoalbuminemia 3503
 Hiroko Oshio (The Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

Oral Abstract 113

TAVI 3

9:00-17:00

Chairperson : Toshihiro Tamura (Department of Cardiology, Tenri Hospital, Tenri)
 Chairperson : Kazuki Mizutani (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
 Discussant : Masahide Kawatou (Department of Cardiovascular Surgery, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Kei Sato (Mie University Hospital, Department of Cardiology, Tsu)

- OE113-1 Withdrawn 3504
- OE113-2 Withdrawn 3505
- OE113-3 Patients Perspective on Treatment Goals in Transcatheter Aortic Valvular Implantation 3505
 Takashi Kohno (Department of Cardiovascular Medicine, Kyorin University, Tokyo)
- OE113-4 The Clinical Impact of Silent Cerebral Infarction for Cognitive Decline at One-Year Follow-up after Transcatheter Aortic Valve Replacement 3506
 Mana Ogawa (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- OE113-5 The Impact of Pre-existing Peripheral Artery Disease on Transcatheter Aortic Valve Implantation Outcomes: A Systematic Review and Meta-analysis 3506
 Daisuke Ueshima (Kameda Medical Center, Kamogawa)
- OE113-6 Impact of Ankle-Brachial-Index before Transcatheter Aortic Valve Implantation on Mid-Term Prognosis 3507
 Tomohiro Kawaguchi (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE113-7 Patient's Physique and Transaortic Flow are Correlated with Periprocedural Elevation of High-Sensitivity Troponin I after Transcatheter Aortic Valve Implantation 3507
 Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- OE113-8 Comparison of D-dimer Level after TAVR between the Patients with and without Anticoagulant Therapy 3508
 Akihiro Tobe (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE113-9 Withdrawn 3508

Oral Abstract 114

Intravascular Imagings 1

9:00-17:00

Chairperson : Junya Shite (Osaka Saiseikai Nakatsu Hospital, Cardiology, Osaka)
 Discussant : Akiko Fujino (National Hospital Organization Kyoto Medical Center, Kyoto)

- OE114-1 Withdrawn 3509

- OE114-2 Dissociation between the Minimum Lumen Site and the Maximum Lipid-rich Site Elucidated by Near-Infrared Spectroscopy 3510
Yutaka Terajima (Department of Cardiology, Saiseikai Kawaguchi General Hospital, Saitama)
- OE114-3 Quantitative Validation of the Coronary-Angioscopic Yellow Plaque by Lipid Core Burden Index Assessed by Intracoronary Near-infrared Spectroscopy 3510
Takashi Omatsu (Osaka Police Hospital, Osaka)
- OE114-4 Tangential Signal Dropout Mimicking the Appearance of Lipid-rich Plaques on Optical Frequency Domain Imaging: An Ex-Vivo Imaging Study 3511
Hiroki Shibutani (Department of Medicine 2, Kansai Medical University, Osaka)
- OE114-5 Relationship between Pericoronary Adipose Tissue Attenuation on Computed Tomography Angiography and Coronary Plaque Characteristics on Optical Coherence Tomography 3511
Tomoyo Sugiyama (Department of Cardiovascular Medicine, Tsuchiura Kyodo General Hospital, Tsuchiura)
- OE114-6 In Vivo Association between Expansive Coronary Arterial Remodeling and Plaque Polarization Properties 3512
Kenichiro Otsuka (Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, USA)

Oral Abstract 115

Intravascular Imagings 2

9:00-17:00

Chairperson : Masaya Kato (Hiroshima City Asa Hospital, Hiroshima)
Chairperson : Tsunenari Soeda (Nara Medical University Cardiovascular Medicine, Nara)
Discussant : Tomoyo Sugiyama (Department of Cardiovascular Medicine, Tsuchiura Kyodo General Hospital, Tsuchiura)
Discussant : Myong Hwa Yamamoto (Division of Cardiology, Showa University Northern Yokohama Hospital, Yokohama)

- OE115-1 The Fate of Tissue Protrusion after Drug-Eluting Stents: A Serial Optical Coherence Tomography-Based Natural History Study 3513
Munemitsu Otagaki (Department of Internal Medicine II, Kansai Medical University Hospital, Hirakata)
- OE115-2 "Maximum Irregular Protrusion Angle" A Novel Quantitative Parameter of OCT Analysis after Primary PCI at the STEMI Culprit Lesions 3514
Atsushi Kyodo (Department of Cardiovascular Medicine, Nara Medical University, Kashihara)
- OE115-3 Instability of Coronary Plaques Containing Cholesterol Crystals: An in Vivo Imaging Assessment by Optical Coherence Tomography and Near-Infrared Spectroscopy 3514
Kota Murai (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE115-4 Impact of In-stent Neointimal Hyperplasia Assessed by Optical Coherence Tomography on Cardiac Troponin Elevation after Percutaneous Coronary Intervention 3515
Daigo Hiraya (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
- OE115-5 Prognostic Impact of Calcified Plaque Morphology in Patients with Coronary Artery Calcification: An Optical Coherence Tomography Study 3515
Makoto Watanabe (Department of Cardiovascular Medicine, Nara Medical University, Kashihara, Nara)
- OE115-6 Impact of Calcified Nodule as Assessed by Optical Coherence Tomography on Clinical Prognosis after 2nd Generation Drug Eluting Stent Implantation 3516
Tetsumin Lee (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

Oral Abstract 116

Intravascular Imagings 3

9:00-17:00

Chairperson : Shichiro Abe (Dokkyo Medical University, Department of Cardiovascular Medicine, Mibu)
Chairperson : Takahiko Naruko (Department of Cardiology, Osaka City General Hospital, Osaka)
Discussant : Satoko Tahara (Cardiovascular Department, New Tokyo Hospital, Matsudo)
Discussant : Masahiro Hoshino (Cardiovascular Medicine, Tsuchiura Kyodo General Hospital, Tsuchiura)

- OE116-1 Withdrawn 3517
- OE116-2 Lesion Progression in Cardiac Transplant Recipients: Serial Optical Coherence Tomography and Intravascular Ultrasound Findings at 8-week and 12-month after Transplantation 3518
Tatsuya Shiraki (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

- OE116-3 Mural Thrombus is Associated with Neointimal Coverage Failure and High Degree of Platelet Reactivity after Drug-eluting Stent Implantation 3518
Takero Matsuura (Division of Cardiology, Faculty of Medicine, Kindai University, Osaka)
- OE116-4 Angioscopic Findings One Year after Percutaneous Coronary Intervention for Chronic Total Occlusion 3519
Isamu Fukuizumi (Department of Cardiology, Nippon Medical School, Tokyo)
- OE116-5 Different Patterns of Late Lumen Enlargement after Treatment of De Novo Coronary Lesions with Drug Coated Balloon 3519
Tetsuya Yamamoto (Department of Cardiology, Himeji Cardiovascular Center, Himeji)
- OE116-6 Incidence and Natural History of Coronary Evagination after Implantation of Bioresorbable Polymer Sirolimus-eluting Stent: An Mechanism-Ultimaster Sub-study 3520
Keiko Tsuji (Iwate Medical University, Yahaba)

Oral Abstract 117

Coronary Circulation 3

9:00-17:00

Chairperson : Noriyuki Kinoshita (Kouseikai Takeda Hospital, Kyoto)
Chairperson : Akiko Matsuo (Department of Cardiology, Japanese Red Cross Kyoto Daini Hospital, Kyoto)
Discussant : Amane Kozuki (Osaka Saiseikai Nakatsu Hospital, Department of Cardiology, Osaka)

- OE117-1 Association of Serum Albumin Concentration and Heart Failure in the Patients Underwent Percutaneous Coronary Intervention 3521
Joh Akama (The Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE117-2 Impact of Instantaneous Wave-free Ratio on Graft Failure after Coronary Artery Bypass Graft Surgery 3522
Teruaki Wada (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
- OE117-3 Clinical Comparison and Predictors of Discordance between Resting Full-cycle Ratio and Fractional Flow Reserve from Real Clinical-practice 3522
Yuichi Chikata (Department of Cardiovascular Medicine, Juntendo University, Graduate School of Medicine, Tokyo)
- OE117-4 Beneficial Effects of Drug-Eluting Stents with Bioabsorbable-Polymer on Coronary Hyperconstriction and Vasa Vasorum Formation in Patients with Coronary Artery Disease 3523
Kensuke Nishimiya (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE117-5 Safety and Efficacy of a Hyperaemic Agent, Intracoronary Nicorandil 4mg, for Invasive Physiological Assessments during Fractional Flow Reserve Measurement 3523
Tenjin Nishikura (Cardiology, Cardiovascular Disease Center, Showa University Koto Toyosu Hospital, Toyosu)
- OE117-6 Discordance between Fractional Flow Reserve and Instantaneous Wave-free Ratio Evaluated by Frame-count Coronary Flow Reserve 3524
Yoshinori Kanno (Department of Cardiology, Yokosuka Kyosai Hospital, Yokosuka)
- OE117-7 Pressure-bounded Coronary Flow Reserve in Hemodialysis Patients with Intermediate Stenosis 3524
Yoshinori Kanno (Department of Cardiology, Yokosuka Kyosai Hospital, Yokosuka)
- OE117-8 Withdrawn 3525
- OE117-9 Incremental Diagnostic Advantage of iFR beyond FFR to Define Flow-limiting Epicardial Stenoses in Left Anterior Descending Artery 3525
Yuetsu Kikuta (Department of Cardiology, Fukuyama Cardiovascular Hospital, Fukuyama)

Oral Abstract 118

Cerebrovascular Circulation/Stroke/Others 2

9:00-17:00

Chairperson : Nobutoyo Masunaga (Kyoto Medical Center, Kyoto)
Chairperson : Hirofumi Tomita (Department of Cardiology, Hirosaki University Graduate School of Medicine, Hirosaki)
Discussant : Yuko Inoue (National Cerebral & Cardiovascular Center, Suita)
Discussant : Tomoyuki Umemoto (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

- OE118-1 Efficacy of Transcatheter Closure of Patent Foramen Ovale for Migraine with or without Aura: Prospective Evaluation in Japanese Population 3526
Teiji Akagi (Department of Cardiovascular Medicine, Okayama University, Okayama)

- OE118-2 Low-intensity Pulsed Ultrasound Therapy Promotes Neurological Functional Recovery from Ischemic Stroke by Enhancing Angiogenesis and Neurogenesis in Vivo 3527
Sadamitsu Ichijo (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE118-3 Relationship of Four Blood Pressure Indexes to Subclinical Cerebrovascular Diseases Assessed by Brain MRI in General Japanese Men 3527
Ebtehal Salman (Shiga University of Medical Science, Otsu)
- OE118-4 ST-Elevation in Subarachnoid Hemorrhage: Coincidence Myocardial Infarction or Neurogenic Stunned Myocardium? 3528
Pramadya V. Mustafiza (Gadjah Mada University, Sardjito General Hospital, Indonesia)
- OE118-5 Rare Culprit of Right Middle Cerebral Artery Infarct-Aortic Dissection 3529
Kent Ter Lau (Miri General Hospital, Malaysia)
- OE118-6 Morphological Features of Patent Foramen Ovale Requiring Larger Occlusion Devices for Transcatheter Closure 3529
Takashi Miki (Department of Cardiovascular Medicine, Okayama University, Okayama)

Oral Abstract 119

ACS (Basic)

9:00-17:00

Chairperson : Miyuki Kobara (Clinical Pharmacology, Kyoto Pharmaceutical University, Kyoto)
Chairperson : Soichiro Usui (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
Discussant : Takehiro Nakahara (Keio University, Tokyo)

- OE119-1 The Role of Th1 and Th17 during Myocardial Infarction and Inhibitory Effect of Probucol on Th1 in SR-BI KO/ApoE6h/h Mice 3530
Hiroyasu Inui (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE119-2 Adipolin/C1q/Tnf-related Protein 12 Prevents Pathological Cardiac Remodeling in a Mouse Model of Myocardial Infarction 3531
Tomonobu Takikawa (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE119-3 Low Level of Circulating CD271-positive Mononuclear Cells in Acute Coronary Syndrome Predicts Plaque Progression at De Novo Lesion 3531
Shinichiro Takashima (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
- OE119-4 Regulation of Fatty Acids Synthesis and Degradation in the Ischemic Heart: Possible Role of FGF21 as a Critical Regulator 3532
Batgerel Naidankhuu (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
- OE119-5 Cardioprotective Effects of VCP Modulator KUS121 in Animal Models of Myocardial Infarction 3532
Yuya Ide (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE119-6 Impella Combined with Extracorporeal Membrane Oxygenation Unloads Left Ventricle and Reduces Infarct Size in a Dog Model of Myocardial Infarction 3533
Genya Sunagawa (Department of Cardiology, Saiseikai Fukuoka General Hospital, Fukuoka)

Oral Abstract 120

Coronary Artery Disease (Clinical) 1

9:00-17:00

Chairperson : Makoto Hoyano (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
Chairperson : Naotaka Okamoto (Osaka Rosai Hospital, Osaka)

- OE120-1 Sex Differences in Coronary Microvascular Dysfunction in Patients with Vasospastic Angina -Involvement of Rho-kinase Activation- 3534
Akira Suda (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE120-2 Impact of Gender on the Discordance between Fractional Flow Reserve and Diastolic Pressure Ratio 3535
Taishi Yonetsu (Department of Interventional Cardiology, Tokyo Medical and Dental University, Tokyo)
- OE120-3 Clinical Importance of Fractional Flow Reserve in Patients with Vasospastic Angina and Organic Coronary Stenosis 3535
Kiyotaka Hao (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

- OE120-4 Fractional Flow Reserve and Instantaneous Wave-Free Ratio Discordance in Patients with Severe Aortic Valve Stenosis 3536
Futoshi Yamanaka (Department of Cardiology, Shonan Kamakura General Hospital, Kamakura)
- OE120-5 Diagnostic Performance of Resting Full-Cycle Ratio and Instantaneous Wave-Free Ratio Compared to Fractional Flow Reserve: A Real-World Experience 3536
Dai Inagaki (Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo)
- OE120-6 Differential Characteristics of Clinical Outcomes in Hemodialysis Patients with Fractional Flow Reserve-Guided Deferral of Percutaneous Coronary Intervention Compared with Non-Hemodialysis 3537
Hiroyuki Hikita (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)

Oral Abstract 121

Coronary Artery Disease (Clinical) 2

9:00-17:00

Chairperson : Chika Takagi (Department of Cardiology, Otaru Kyokai Hospital, Otaru)
Chairperson : Yuko Onishi (Hiratsuka Kyosai Hospital, Hiratsuka)
Discussant : Takahide Kodama (Department of Cardiology, Toranomon Hospital, Tokyo)
Discussant : Masayasu Izuhara (Kishiwada City Hospital, Kishiwada)

- OE121-1 Impact of Early Target Lesion Failure on Long-term Bleeding Event after Percutaneous Coronary Intervention 3538
Katsuya Miura (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE121-2 Prognostic Impact of Hybrid Cardiac Perfusion SPECT/CT for Patients with Coronary Artery Disease after Coronary Artery Bypass Grafting 3539
Yoshimitsu Fukushima (Department of Radiology, Nippon Medical School, Tokyo)
- OE121-3 Clinical Outcomes of Silent Myocardial Ischemia after Percutaneous Coronary Intervention 3539
Ryota Kosaki (Division of Cardiology, Cardiovascular Center, Showa University Koto-Toyosu Hospital, Tokyo)
- OE121-4 The New Diagnostic Method for Coronary Microvascular Angina 3540
Takahiko Kiyooka (Division of Cardiology, Tokai University Oiso Hospital, Oiso)
- OE121-5 Predictive Value of the Geriatric Nutritional Risk Index in Percutaneous Coronary Intervention with Rotational Atherectomy 3540
Taiga Katayama (Teikyo University, Tokyo)
- OE121-6 Less Microvascular Disorders in Japanese Patients Irrespective of Performing the Sequential Spasm Provocation Testing 3541
Shozo Sueda (Department of Cardiology, Ehime Prefectural Niihama Hospital, Niihama)
- OE121-7 Withdrawn 3541
- OE121-8 Coronary Endothelial Dysfunction Plays Important Roles on Development of Acute Coronary Syndrome and Fatal Cardiovascular Events during Long-Term Follow-up 3542
Tatsuaki Murakami (Department of Cardiology, Fukui Cardiovascular Center, Fukui)
- OE121-9 Midterm Clinical Outcomes after Emergent Drug-coated Balloon Dilation versus Drug-eluting Stents Placement for Acute Coronary Syndrome: A Single-center Retrospective Study 3542
Yukiko Mizutani (Cardiology, Dokkyo Saitama Medical Center, Saitama)

Oral Abstract 122

Atherosclerosis (Basic) 2

9:00-17:00

Chairperson : Masahiro Kimura (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Yoshihiro Ishikawa (Cardiovascular Research Institute, Yokohama City University School of Medicine, Yokohama)

- OE122-1 Role of Impaired DNA Damage Response in the Initiation and Progression of Atherosclerosis 3543
Chiemi Sakai (Department of Cardiovascular Physiology and Medicine, Hiroshima University, Hiroshima)
- OE122-2 S1P2 Receptor Antagonist Attenuates Endothelial Dysfunction and Prevents Atherogenesis in Apolipoprotein-E-deficient Mice 3544
Byambasuren Ganbaatar (Department of Cardiovascular Medicine, Institute of Biomedical Sciences, Tokushima University Graduate School, Tokushima)

- OE122-3 Selective C-C Chemokine Receptor 4 Inhibition Aggravates Atherosclerosis in Apolipoprotein E-Deficient Mice 3544
Hilman Zulkifli Amin (Laboratory of Medical Pharmaceuticals, Kobe Pharmaceutical University, Kobe)
- OE122-4 Cigarette Smoke Links Atherosclerosis and Abdominal Aortic Aneurysm 3545
Takuo Emoto (Toronto General Research Institute, University Health Network, Canada)
- OE122-5 Repeated Social Defeat Exaggerates CaCl₂-induced Abdominal Aortic Aneurysm Expansion by Eliminating Periaortic Fibrosis in Tissue Repair Phase 3545
Hiroshi Kubota (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
- OE122-6 C5a Elevates MCP-1 Expression in Neutrophil-like Differentiated HL60 via NF- κ B Signaling Pathway 3546
Syed Masudur Rahman Dewan (Department of Life Sciences and Bioethics, Tokyo Medical and Dental University, Tokyo)

Oral Abstract 123

Lipid 1

9:00-17:00

Chairperson : Yu Kataoka (Department of Cardiovascular Medicine, National Cerebral & Cardiovascular Center, Suita)
Chairperson : Atsushi Nohara (Department of Clinical Genetics, Ishikawa Prefectural Central Hospital, Kanazawa)
Discussant : Takeshi Okada (Department of Cardiovascular Medicine/Community Medicine, Osaka University Graduate School of Medicine, Suita)
Discussant : Yu Kataoka (National Cerebral & Cardiovascular Center, Suita)

- OE123-1 Kagawa Pediatric Preventive Checkup and Genetic Screening Contribute to Early Diagnosis of Familial Hypercholesterolemia 3547
Shohei Ishikawa (Department of Cardioresenal and Cerebrovascular Medicine, Faculty of Medicine, Kagawa University, Kagawa)
- OE123-2 Usefulness of Lipoprotein (a) as a Prognostic Factor after Endovascular Therapy for Superficial Femoral Artery 3548
Yoshiki Misu (Yokosuka Kyosai Hospital, Yokosuka)
- OE123-3 Withdrawn 3548
- OE123-4 Lipoprotein (a) as a Predictor for Polyvascular Disease in Patients with Heterozygous Familial Hypercholesterolemia 3549
Sayaka Funabashi (Department of Cardiovascular Medicine, National Cerebral & Cardiovascular Center, Suita)
- OE123-5 Impact of Non-fasting Triglycerides/High-density Lipoprotein Cholesterol Ratio on Secondary Prevention in Patients with Appropriate Low-density Lipoprotein Cholesterol Levels 3549
Ichiro Matsumoto (KKR Takamatsu Hospital, Cardiovascular Center, Takamatsu)
- OE123-6 Prognostic Impact of Cascade Screening among Patients with Familial Hypercholesterolemia 3550
Hayato Tada (Department of Cardiovascular Medicine, Kanazawa University Graduate School of Medical Sciences, Kanazawa)

Oral Abstract 124

Atherosclerosis (Clinical/Pathophysiology) 1

9:00-17:00

Chairperson : Toshiyuki Ishibashi (Department of Internal Medicine, Ohara General Hospital, Fukushima)
Chairperson : Kazunori Shimada (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)
Discussant : Tomotaka Dohi (Juntendo University, Graduate School of Medicine, Tokyo)

- OE124-1 Anti-Flagella Protein IgG3 Antibodies are Associated with Human Atherosclerosis 3551
Hiroshi Doi (Yokohama City University Graduate School of Medicine, Department of Medical Science and Cardioresenal Medicine, Yokohama)
- OE124-2 Strengthened Roles of Cholesterol Efflux Capacity in Coronary Atheroma Regression in Patients Achieving Targets for Cardiovascular Risk 3552
Kohei Takata (Department of Clinical Laboratory, Fukuoka University Hospital, Fukuoka)
- OE124-3 Clinical Usefulness of Measurement of Advanced Glycation End Products in Forearm and Finger Skin in Patients Undergoing Cardiac Rehabilitation 3552
Kei Fujiwara (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)

- OE124-4 DNA Damage and Inflammatory Cytokine Expression Induced by Radiation Exposure from Cardiac Catheterization -An Analysis in Patients and Operators- 3553
Yuichiro Jin (Department of Cardiovascular of Medicine, Fukushima Medical University, Fukushima)
- OE124-5 Higher Oxidized HDL is Associated with High-risk Plaques Determined by CT Angiography in Patients with Suspected with Coronary Artery Disease 3553
Kazuki Suruga (Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama)
- OE124-6 Gender Differences in Phenotypic Features of Coronary Plaque in Patients with Coronary Artery Disease: Near-Infrared Spectroscopy and Intravascular Ultrasound Imaging Analysis 3554
Takamasa Iwai (Department of Cardiovascular Medicine, National Cerebral & Cardiovascular Center, Suita)
- OE124-7 Administration of Eicosapentaenoic Acid (EPA) may Alter Lipoprotein-Particle Heterogeneity in Stable Coronary Artery Disease Patients Receiving Treatment of Statins 3555
Shigemasa Tani (Department of Cardiology, Nihon University Hospital, Tokyo)
- OE124-8 Interleukin-1 β Expression in Epicardial Adipose Tissue is Related to Coronary Atherosclerosis Based on Computed Tomography Analysis 3555
Toshiro Kitagawa (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE124-9 Mobilization of Endothelial Progenitor Cells and Vessel Healing after Implantation of Abluminal Biodegradable Polymer Coating Everolimus-Eluting Stent 3556
Masashi Sakuma (Department of Cardiovascular, Dokkyo Medical University, Mibu)

Oral Abstract 125
Cardio-Oncology 2

9:00-17:00

Chairperson : Nobukazu Ishizaka (Osaka Medical College Internal Medicine3, Takatsuki)
Chairperson : Eiki Takimoto (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)
Discussant : Kazuko Tajiri (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
Discussant : Takafumi Nakayama (Department of Cardiology, Nagoya City University Graduate School of Medical Sciences, Nagoya)

- OE125-1 Cardiovascular Toxicity Following Modern Multiple Myeloma Therapy in a Prospective Cohort Study 3557
Tatsuhiro Shibata (Division of Cardiovascular Medicine, Department of Internal Medicine, Kurume University School of Medicine, Kurume)
- OE125-2 Clinical Feature of Cardiotoxicity in Lymphoma Patients Who Received CHOP-like Regimen 3558
Takafumi Nakayama (Department of Cardiology, Nagoya City University Graduate School of Medical Sciences, Nagoya)
- OE125-3 Cardiovascular Management in Oncology Practice: A Five-Year Experience 3558
Kazuko Tajiri (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
- OE125-4 The Prognostic Impacts of Heart Failure in Cancer Patients Using Big Data of Electronic Health Record in Japan 3559
Shoichiro Nohara (Division of Cardiovascular Medicine, Department of Internal Medicine, Kurume University School of Medicine, Kurume)
- OE125-5 Bleeding Risks in Cancer Patients with Acute Myocardial Infarction Who Received Dual-antiplatelet Therapy Following Drug-eluting Stent Implantation 3559
Hiroya Hayashi (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- OE125-6 Impact of Coronary Artery Calcification Score on Clinical Outcome in Patients with Potentially Curable Lung Cancer 3560
Kazuhiro Osawa (Department of Cardiovascular Medicine, Okayama Red Cross General Hospital, Okayama)
- OE125-7 Cardiac Troponin I Increase is a Predictive Factor of Anthracycline-Induced Cardiotoxicity 3560
Masayoshi Oikawa (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE125-8 Electrocardiographic Transmural Dispersion of Repolarization in Patients with Cancer Therapeutics-related Cardiac Dysfunction 3561
Toshio Kinoshita (Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo)
- OE125-9 Association of Clinical Risk Factors with Left Ventricular Function in Patients with Breast Cancer Following Chemotherapy 3561
Kentaro Yamashita (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

Oral Abstract 127

Ventricular Arrhythmia 1

9:00-17:00

Chairperson : Kaoru Tanno (Showa University Koto-Toyosu Hospital, Tokyo)
 Chairperson : Kazuhiro Satomi (Department of Cardiology, Tokyo Medical University, Tokyo)
 Discussant : Hiroshi Furusho (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
 Discussant : Michio Nagashima (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

- OE127-1 Conduction Property during Sinus Rhythm as “Functional Substrate Map” 3562
 Akiko Ueda (Division of Advanced Arrhythmia Management, Department of Cardiovascular Medicine, Kyorin University, Mitaka)
- OE127-2 Impact of Non-invasive External Particle Beam Radiation on the Electrophysiological and Pathological Changes in the Animal Heart 3563
 Mitsuru Takami (Division of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)
- OE127-3 Crux Ventricular Arrhythmia is Likely to Develop a Lethal Condition as Compared with Other Septal Ventricular Arrhythmias 3563
 Mitsuharu Kawamura (Division of Cardiology, Showa University School of Medicine, Tokyo)
- OE127-4 Migration of Exit-site during Radiofrequency Ablation for Premature Ventricular Contraction Originating from Right Ventricular Outflow Tract Revealed by Ultra-high-resolution Mapping 3564
 Seigo Yamashita (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- OE127-5 Impact of Filter Configuration on Bipolar Electrograms 3564
 Tasuku Yamamoto (Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo)
- OE127-6 Efficacy of a Novel Expandable Lattice Electrode Irrigated Radiofrequency Ablation Catheter for Ventricular Radiofrequency Lesions in Sheep 3565
 Takeshi Kitamura (IHU LIRYC, University of Bordeaux, CHU de Bordeaux, France)

Oral Abstract 128

Ventricular Arrhythmia 2

9:00-17:00

Chairperson : Yoshihide Takahashi (Department of Advanced Arrhythmia Research, Tokyo Medical and Dental University, Tokyo)
 Chairperson : Takeshi Aiba (National Cerebral and Cardiovascular Center, Department of Clinical Laboratory Medicine and Genetics, Suita)
 Discussant : Satoshi Nagase (Department of Advanced Arrhythmia and Translational Medical Science, National Cerebral and Cardiovascular Center, Suita)

- OE128-1 Risk Factors for Major Bleeding in Japanese Patients with Non-Valvular Atrial Fibrillation: The J-RISK AF 3566
 Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE128-2 Current Status of Fatal Arrhythmic Events in Japanese Patients with Ischemic Heart Disease 3567
 Koji Hanazawa (Department of Cardiology, Japan Red Cross Society Wakayama Medical Center, Wakayama)
- OE128-3 The Usefulness of Grid Mapping Catheter for Substrate Mapping in Ventricular Tachycardia Ablation: First Experience in a Single Center 3568
 Masaomi Kimura (Advanced Management of Cardiac Arrhythmias, Hirosaki University Graduate School of Medicine, Hirosaki)
- OE128-4 An Analysis of Activation Pattern of Ventricular Tachycardia Channel during Sinus Rhythm in Patients with Post Myocardial Infarction 3568
 Takeshi Kitamura (Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo)
- OE128-5 Real-world Evidence of Bleeding Events in Atrial Fibrillation Patients with “Off-Label” Dosing of Direct Oral Anticoagulants 3569
 Yoshinobu Suwa (Division of Cardiology, Department of Medicine II, Kansai Medical University, Osaka)
- OE128-6 Usefulness of Contact Unipolar Activation Mapping for Identifying Originate Site with Idiopathic Right Ventricular Outflow Tract Arrhythmias 3569
 Yumi Munetsugu (Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo)

Oral Abstract 129

AF/Others 3

9:00-17:00

Chairperson : Tetsuya Haruna (Medical Research Institute Kitano Hospital Cardiovascular Center, Osaka)
 Chairperson : Tetsuma Kawaji (Department of Cardiology, Mitsubishi Kyoto Hospital, Kyoto)

- OE129-1 Left Ventricular Stiffness Assessed by Diastolic Wall Strain Predicts Atrial High Rate Episodes in Patients with Pacemaker Implantation 3570
Hideyuki Kishima (Department of Internal Medicine, Cardiovascular Division, Hyogo College of Medicine, Nishinomiya)
- OE129-2 Circadian Distribution of Atrial Anti-tachycardia Pacing and the Efficacy in Patients with Cardiac Implantable Electronic Devices: Multicenter Registry Study 3571
Susumu Tao (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)
- OE129-3 Prevalence and Clinical Characteristics of Inspiration-Induced Negative Left Atrial Pressure in Patients Who Underwent Pulmonary Vein Isolation 3572
Yoshihisa Naruse (Division of Cardiology, Internal Medicine III, Hamamatsu University School of Medicine, Hamamatsu)
- OE129-4 The Relationship between the Profiles of Pulmonary Sleeves and the Arrhythmogenicity 3572
Naoyuki Miwa (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE129-5 Potential Mechanism of the Creation of Low Voltage Areas in the Anterior Left Atrium in Patients with Atrial Fibrillation 3573
Satoshi Hayashida (Division of Cardiology, Nihon University Itabashi Hospital, Tokyo)
- OE129-6 Impairment of Left Atrial Reservoir Function Reflected by the Left Atrial Low Voltage Area in Patients with Paroxysmal Atrial Fibrillation 3573
Kosuke Nakasuka (Department of Cardiology, Nagoya City University Graduate School of Medical Sciences, Nagoya)
- OE129-7 Combination of Left Atrial Remodeling, Myocardial Fibrosis, and Myocardial Inflammation for Predicting Atrial Fibrillation Recurrence 3574
Hiroki Tanisawa (Showa University, Tokyo)
- OE129-8 What is the Suitable Predictor of Atrial Fibrillation Recurrence after 2nd Session Catheter Ablation for Non-paroxysmal Atrial Fibrillation? 3574
Koji Yasumoto (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- OE129-9 Should We Perform Ablation for Asymptomatic Atrial Fibrillation? 3575
Keiji Inoue (Department of Cardiology, Kyoto Second Red Cross Hospital, Kyoto)

Oral Abstract 130

ACS (Clinical/Treatment) 4

9:00-17:00

Chairperson : Takako Iino (Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)
Chairperson : Hiroyuki Tanaka (Tokyo Metropolitan TAMA Medical Center, Fuchu)
Discussant : Ryusuke Nishikawa (Shizuoka General Hospital, Shizuoka)

- OE130-1 Impact of Early Worsening Renal Function on Long-term Cardiovascular Outcomes in Patients with Acute Myocardial Infarction 3576
Ryota Kosaki (Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo)
- OE130-2 Urine Neutrophil Gelatinase-associated Lipocalin is an Early Sensitive Marker for LV Dysfunction after a STEMI Who Underwent Reperfusion 3577
Mutsuo Horii (Division of Cardiology, Yokohama City University Medical Center, Yokohama)
- OE130-3 Impact of Age on Gender Difference in Long-term Outcome of Patients with Acute Myocardial Infarction: Subanalysis of the J-MINUET Study 3577
Toshio Kimura (Department of Cardiovascular Medicine, Hyogo College of Medicine, Nishinomiya)
- OE130-4 Impact of PCSK9-inhibitors versus Guideline Directed Statins Therapy on Non-culprit Plaque Characteristics in Patient with Acute Coronary Syndrome 3578
Ryotaro Yamada (Department of Cardiology, Kawasaki Medical School, Kurashiki)
- OE130-5 Impact of Frailty on Outcomes in Elderly Patients with Acute Myocardial Infarction Who Undergo Percutaneous Coronary Intervention 3578
Kensaku Nishihira (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- OE130-6 Impact of Prognostic Nutritional Index on Patients with Acute Myocardial Infarction 3579
Takuya Ando (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

Oral Abstract 131

ACS (Clinical/Treatment) 5

9:00-17:00

Chairperson : Makoto Suzuki (Hoshinooka Cardio-Vascular Clinic, Matsuyama)
 Chairperson : Koichi Kishi (Division of Cardiology, Tokushima Red Cross Hospital, Tokushima)
 Discussant : Hirohiko Ando (Aichi Medical University, Nagakute)
 Discussant : Tamaki Suyama (Suita Tokushukai Hospital, Suita)

- OE131-1 Prognostic Usefulness of Residual SYNTAX Score 2 for Patients with Acute Coronary Syndrome Who Underwent Percutaneous Coronary Intervention 3580
 Daisuke Kashiwagi (Department of Cardiology, Shinshu University, Matsumoto)
- OE131-2 The Outcome of Acute Myocardial Infarction in Nonagenarian with/without Percutaneous Coronary Intervention -From K-Active Registry- 3581
 Ryota Maeno (Shin-yurigaoka General Hospital, Kawasaki City)
- OE131-3 Prognosis of Recurrent Myocardial Infarction in Current Primary Percutaneous Coronary Intervention Era 3581
 Chiharu Yoshida (Department of Cardiology, Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)
- OE131-4 Shahid Gangalal National Heart Centre-ST Elevation Myocardial Infarction Registry: A Real World Scenario of a Developing Country 3582
 Chandra Mani Adhikari (Shahid Gangalal National Heart Centre, Kingdom of Nepal)
- OE131-5 Gender Differences in Presentation, Management and Outcomes among Patients with Acute Coronary Syndrome in Dhaka, Bangladesh 3582
 F. Aaysha Cader (Ibrahim Cardiac Hospital & Research Institute, Bangladesh)
- OE131-6 Withdrawn 3583

Oral Abstract 132

TAVI 4

9:00-17:00

Chairperson : Hikaru Tsuruta (Keio University, Department of Cardiology, Tokyo)
 Chairperson : Akiko Kumagai (Iwate Medical University, Division of Cardiology, Department of Internal Medicine, Morioka)
 Discussant : Toshiaki Toyota (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
 Discussant : Munenori Okubo (Department of Cardiovascular Medicine, Gifu Heart Center, Gifu)

- OE132-1 The Negative Effect of Underweight on Mid-term Outcome Following Transcatheter Aortic Valve Implantation: An Insight from Multicenter Registry 3584
 Taiyo Tezuka (Department of Cardiology, Sakakibara Heart Institute, Fuchu)
- OE132-2 Non-contrast Screening for TAVI in Patients with Aortic Stenosis and Chronic Kidney Disease: Utility of Multi-imaging Modalities 3585
 Masashi Koga (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)
- OE132-3 Impact of Pre-existence of Mitral Regurgitation on the Left Ventricular Mass Regression Following Transcatheter Aortic Valve Implantation 3585
 Hitomi Horinouchi (Department of Cardiovascular Medicine, Ikegami General Hospital, Tokyo)
- OE132-4 Long-term (≥ 6 -year) Clinical Outcome and Valve Function after Transcatheter Aortic Valve Replacement 3586
 Yasushi Fuku (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE132-5 Is the Criteria of Paradoxical Low-Flow Low-Gradient Aortic Stenosis Correct for Japanese Patients Undergoing Transcatheter Aortic Valve Implantation? 3586
 Tomomi Tanino (Department of Cardiology and Clinical Examination, Oita University, Faculty of Medicine, Yufu-city, Oita)
- OE132-6 A Combination of Malnutrition and Muscle Weakness Deteriorates Clinical Outcomes after Transcatheter Aortic Valve Replacement 3587
 Yasuhiro Uchida (Department of Cardiology, Yokkaichi Municipal Hospital, Yokkaichi)
- OE132-7 Prognostic Impact of Arterial Stiffness on Transfemoral Transcatheter Aortic Valve Implantation 3588
 Tetsu Tanaka (Division of Cardiology, Mitsui Memorial Hospital, Tokyo)
- OE132-8 Comparison of Valve Hemodynamics after Transcatheter Aortic Valve Implantation between 20-mm SAPIEN 3 Valves and Larger Sized Ones 3588
 Masaki Tsuda (Department of Cardiology, Osaka Rosai Hospital, Sakai)

- OE132-9 The Necessity to Confirm Strut Design in Front of Coronary Ostium before Coronary Angiogram in Patients with SAPIEN 3 3589
 Hiroyuki Kawamori (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

Oral Abstract 133

Cardiomyopathy/Hypertrophy (Clinical) 4

9:00-17:00

Chairperson : Naka Sakamoto (Department of Cardiology, Asahikawa Medical University, Asahikawa)
 Chairperson : Yoshiaki Matsumura (Osaka City General Hospital, Department of Cardiology, Osaka)
 Discussant : Akihiro Nomura (Department of Cardiology, Kanazawa University Graduate School of Medicine, Kanazawa)
 Discussant : Toshikazu Tanaka (The Jikei University School of Medicine, Department of Internal Medicine, Division of Cardiology, Tokyo)

- OE133-1 Diagnostic Performance of ST Level at J-point on 12-lead Electrocardiography to Distinguish Takotsubo Syndrome and Acute Anterior Myocardial Infarction 3590
 Masato Shimizu (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)
- OE133-2 The Clinical Characteristics of Severe Takotsubo Cardiomyopathy -From JROAD-DPC Registry- 3591
 Satoshi Terasaki (Department of Cardiology, Nara Medical University, Kashihara)
- OE133-3 The Prognostic Impact of Pulmonary Disease as the Trigger of Takotsubo Syndrome Multi-Center Retrospective Cohort Study in Japan 3591
 Masaki Wakita (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)
- OE133-4 Genetic Backgrounds of Arrhythmia Induced Cardiomyopathy 3592
 Hiroshi Miyawaki (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE133-5 Genetic Medicine of Cardiomyopathy in Shinshu University Hospital 3593
 Kazuhiro Kimura (Department of Cardiovascular Medicine, Shinshu University, Matsumoto)
- OE133-6 Impact of Anti-Centromere Antibody on Cardiomyopathy in Patients with Systemic Sclerosis 3593
 Toru Dejima (Department of Cardiology, Yokohama Hodogaya Central Hospital, Yokohama)

Oral Abstract 134

Cardio-Oncology 3

9:00-17:00

Chairperson : Masataka Nishiga (Stanford University, Cardiovascular Institute, USA)
 Chairperson : Kazuhiro Sase (Clinical Pharmacology & Regulatory Science, Juntendo University, Tokyo)
 Discussant : Sachiko Sugioka (Kyoto University, Kyoto)

- OE134-1 Overexpression of Myocardial Fibrosis Related Genes in HER-2 Positive Breast Cancer Patients with Trastuzumab Cardiotoxicity 3594
 Minoru Wakasa (Department of Cardiology, Kanazawa Medical University, Uchinada)
- OE134-2 Activation of Invariant Natural Killer T Cells Ameliorates Doxorubicin-induced Cardiotoxicity 3595
 Yoshikuni Obata (Department of Cardiovascular Medicine, Hokkaido University Faculty of Medicine and Graduate School of Medicine, Sapporo)
- OE134-3 Mitochondria-dependent Ferroptosis is the Predominant Regulated Cell Death in Doxorubicin Cardiotoxicity 3595
 Tomonori Tadokoro (Department of Cardiovascular Medicine, Faculty of Medical Sciences, Kyushu University, Fukuoka)
- OE134-4 Red Blood Cell Distribution Width is a Predictive Factor of Anthracycline-Induced Cardiotoxicity 3596
 Masayoshi Oikawa (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE134-5 Assessment for Dynamic Effects of Cisplatin-based Cancer Chemotherapy on Platelet-Coagulation and Fibrinolytic System 3596
 Wataru Shioyama (Department of Onco-Cardiology, Osaka International Cancer Institute, Osaka)
- OE134-6 Efficacy and Safety of Direct Oral Anticoagulant (DOAC) in Elderly Patients with Cancer-associated Venous Thrombo-embolism (CAVTE) 3597
 Yusuke Nakagawa (Department of Cardiovascular Medicine, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto)

Oral Abstract 135

Heart Transplantation/LVAD

9:00-17:00

Chairperson : Tomohito Ohtani (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

Chairperson : Shinichi Nunoda (Department of Therapeutic Strategy for Severe Heart Failure, Graduate School of Medicine, Tokyo Women's Medical University, Tokyo)

Discussant : Seiko Nakajima (National Cerebral and Cardiovascular Center, Department of Transplant Medicine, Suita)

Discussant : Yoshikatsu Saiki (Division of Cardiovascular Surgery, Tohoku University Graduate School of Medicine, Sendai)

- OE135-1 Withdrawn 3598
- OE135-2 Predicting Cerebrovascular Accident in Patients with Implantable Ventricular Assist Device Using Artificial Intelligence Trained on Acoustic Spectra 3599
Yusuke Misumi (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)
- OE135-3 Contribution of HLA Antibodies to the Progression of Cardiac Allograft Vasculopathy 3599
Michiru Nomoto (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE135-4 Comparison between Paracorporeal Ventricular Assist Device and IMPELLA as a Bridge to Decision during Acute Decompensation of Advanced Heart Failure 3600
Toru Kondo (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE135-5 Influence of Left Ventricular Assist Device in Patients with High Pulmonary Vascular Resistance 3600
Eiji Anegawa (National Cerebral and Cardiovascular Center, Suita)
- OE135-6 Clinical Characteristics and Predictive Value of Postoperative Temporary Continuous Venovenous Hemodialysis for Patients Undergoing Left Ventricular Assist Device Implantation 3601
Chie Bujo (Department of Cardiology, The University of Tokyo, Tokyo)
- OE135-7 The Absence of Pulmonary Congestion Corresponded to Poor Prognosis in Patients with Low Output Undergoing Left Ventricular Assist Device Implantation 3602
Chie Bujo (Department of Cardiology, The University of Tokyo, Tokyo)
- OE135-8 Outcome of Japanese Pediatric Heart Transplantation Patients: A Single Center Experience 3602
Hidekazu Ishida (Department of Pediatrics, Osaka University Graduate School of Medicine, Suita)
- OE135-9 Reconsideration of Basiliximab Use in Heart Transplantation: Our Experience in Japan 3603
Noriko Kikuchi (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Oral Abstract 136

PCI Complex Lesions 2

9:00-17:00

Chairperson : Tomoko Kobayashi (Kyoto Katsura Hospital, Cardiovascular Center, Kyoto)

Chairperson : Satoshi Yamamoto (Department of Cardiology, Hosogi Heart Center, Hosogi Hospital, Kochi)

Discussant : Hiroaki Matsuda (Nagoya Heart Center, Nagoya)

Discussant : Wataru Nagamatsu (Hokusetsu General Hospital, Department of Cardiology, Takatsuki)

- OE136-1 Revascularization Strategy in Patients with Multi-vessel Disease Including Chronic Total Occlusion 3604
Hiroki Watanabe (Department of Cardiology, Japanese Red Cross Wakayama Medical Center, Wakayama)
- OE136-2 2-Years Clinical Outcomes of Patients Underwent Percutaneous Coronary Intervention for Calcified Lesions with Rotational Atherectomy and Third-Generation Drug-Eluting Stent 3605
Kenji Ogata (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- OE136-3 Incidence and Clinical Impact of Calcified Nodule in Patients with Severely Calcified Lesions Requiring Rotational Atherectomy 3605
Toru Morofuji (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE136-4 Withdrawn 3606
- OE136-5 Details of Percutaneous Coronary Intervention for Chronic Total Occlusion in Re-attempted Cases; Sub-analysis of Japanese Retrograde Summit Registry 3606
Hiromasa Katoh (Department of Cardiology, Cardiovascular Center, Fukui Prefectural Hospital, Fukui)
- OE136-6 Characteristics of Nodular Calcification in Chronic Coronary Syndromes: Optical Coherence Tomographic Study 3607
Taku Toyoshima (Osaka Rosai Hospital, Division of Cardiology, Sakai)

Oral Abstract 137

PCI DES 1

9:00-17:00

Chairperson : Raisuke Iijima (Toho University Medical Center Ohashi Hospital, Tokyo)

Chairperson : Kengo Tanabe (Mitsui Memorial Hospital, Tokyo)

Discussant : Nobutoyo Masunaga (Kyoto Medical Center, Kyoto)

- OE137-1 Long-Term Outcome of Treatment of Ostial De Novo Left Anterior Descending Coronary Artery Lesions with Drug-Eluting Stents (DES) 3608
Seigo Iwane (Department of Cardiology, Himeji Cardiovascular Center, Himeji)
- OE137-2 Prognostic Impact of Baseline Hemoglobin Levels on Long-Term Thrombotic and Bleeding Events after Percutaneous Coronary Interventions 3609
Kazuya Nagao (Cardiovascular Center, Osaka Red Cross Hospital, Osaka)
- OE137-3 Risk Factors for In-Hospital Death with Drug-Eluting Stent Thrombosis from Real-World Adverse Event Report Survey 3610
Yoshiaki Mitsutake (Office of Medical Devices I, Pharmaceuticals and Medical Devices Agency, Tokyo)
- OE137-4 A Prospective Interventional Registry of Short Term DAPT after Implantation of DES in Patients with AF Requiring Oral Anticoagulation Therapy 3610
Kazunori Horie (Division of Cardiovascular Medicine, Sendai Kousei Hospital, Miyagi)
- OE137-5 Impact of SYNTAX Score on 7-Year Clinical Outcomes in Patients Treated with Cobalt-Chromium Everolimus-Eluting Stent 3611
Takashi Hiromasa (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE137-6 One-year Clinical Outcomes of Polymer-free Drug-Coated versus Second-generation Drug-Eluting Coronary Stents: Retrospective Analysis of Real-World Data 3611
Takayuki Ishihara (Kansai Rosai Hospital Cardiovascular Center, Amagasaki)

Oral Abstract 138

PCI DES 2

9:00-17:00

Chairperson : Tadafumi Akimitsu (Oita Cardiovascular Hospital, Oita)

Chairperson : Shinya Okazaki (Department of Cardiovascular Medicine, Juntendo University, Tokyo)

Discussant : Katsuyuki Hasegawa (Higashi Takarazuka Satoh Hospital, Takarazuka)

- OE138-1 Superiority of Second-generation Drug-eluting Stent to Third-generation Drug-eluting Stent under Intravascular Imaging-guided PCI 3612
Yoshihide Fujimoto (Department of Cardiovascular Medicine, Chiba University, Chiba)
- OE138-2 Early Restenosis and Late Catch-up Phenomenon after Newer Biodegradable- and Durable-Polymer Drug-Eluting Stent Implantations 3613
Akiko Masumoto (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE138-3 Seven-Year Outcomes of Biodegradable Polymer Biolimus-Eluting Stent versus Durable Polymer Everolimus-Eluting Stent in Contemporary Clinical Practice 3613
Shoichi Kuramitsu (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE138-4 Comparison of Vascular Healing between DCS and EES: 3-month Follow-up of Optical Coherence Tomography and Coronary Angioscopy in High-bleeding-risk-patients 3614
Hiroshi Koiwaya (Department of Cardiology, Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)
- OE138-5 Clinical Significance of Late-acquired Malapposition Observed by Serial Optical Coherence Tomography after Second-generation Drug Eluting Stents 3614
Taichi Nakamura (Department of Cardiology, Tokyo Medical and Dental University, Tokyo)
- OE138-6 Association between PRECISE-DAPT Score and Mid-term Vessel Healing after Stent Implantation: Optical Coherence Tomographic Study 3615
Naotaka Okamoto (Division of Cardiology, Osaka Rosai Hospital, Sakai)
- OE138-7 Comparison of Neointimal Coverage between Two Types of Biodegradable-polymer Sirorimus Eluting Stents: Thin-strut vs Ultrathin-strut 3615
Ryu Shutta (Division of Cardiology, Osaka Rosai Hospital, Sakai)
- OE138-8 Occurrence of Peri-stent Contrast Staining: Comparison between Second-generation Drug-eluting Stents and Third-generation Drug-eluting Stents 3616
Shinsuke Mori (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)

- OE138-9 Own Experience in Using the New Bioresorbable Scaffold « MERES-100 » 3616
 Alisher A. Yuldashov (Andijan State Medical Institute, Uzbekistan)

Oral Abstract 139

Thromboembolism 5

9:00-17:00

Chairperson : Tsutomu Endo (Saiseikai Yokohamashi Nanbu Hospital, Department of Cardiology, Yokohama)
 Chairperson : Shuichi Oshima (Division of Cardiology, Kumamoto Chuo Hospital, Kumamoto)
 Discussant : Hirokazu Kondoh (Department of Cardiology, Tenri Hospital, Tenri)
 Discussant : Toshiaki Izumi (Saiseikai Noe Hospital, Department of Cardiology, Osaka)
 Discussant : Ayako Okada (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)

- OE139-1 Anticoagulation Therapy and Outcomes of Venous Thromboembolism According to with or without Atrial Fibrillation: From the COMMAND VTE Registry 3617
 Maki Oi (Department Cardiology, Otsu Red Cross Hospital, Shiga)
- OE139-2 The Direct Factor Xa Inhibitors Have the Effect on Endogenous Thrombolysis in ACS Patients with NVA 3618
 Kazunori Otsui (Department of General Internal Medicine, Kobe University Hospital, Kobe)
- OE139-3 A Novel Prophylaxis of Venous Thromboembolism with Routine Administration of Unfractionated Heparin after Severe Trauma 3619
 Keita Iyama (Department of Radiation Disaster Medicine, Fukushima Medical University, Fukushima)
- OE139-4 Clinical Outcome Associated with Bridging Therapy during Anticoagulation Interruption for Invasive Procedure 3619
 Takuya Nakahashi (Department of Cardiology, Takaoka City Hospital, Takaoka)
- OE139-5 Predictors of Movable Type Left Atrial Appendage Thrombi in Patients with Atrial Fibrillation 3620
 Takeshi Oshita (Cardiovascular Division, Department of Internal Medicine, Hyogo College of Medicine, Nishinomiya)
- OE139-6 The Characteristic of Venous Thromboembolism in Urologic Malignant Tumor Patients 3620
 Takahito Suzuki (Tannan Regional Medical Center, Sabae)

Oral Abstract 140

Basic Science for Heart Failure Pathophysiology

9:00-17:00

Chairperson : Kohzo Nagata (Department of Pathophysiological Laboratory Sciences, Nagoya University Graduate School of Medicine, Nagoya)
 Chairperson : Takeshi Yamamoto (Yamaguchi Graduate School of Medicine, Ube)
 Discussant : Eiki Takimoto (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)

- OE140-1 Cytokine mRNA Degradation in Cardiomyocytes Restrains Sterile Inflammation and Development of Heart Failure 3621
 Shigemiki Omiya (King's College London British Heart Foundation Centre of Excellence, UK)
- OE140-2 Deletion of IKK B in Myofibroblasts Augments Cardiac Fibrosis after Myocardial Infarction 3622
 Takafumi Kawai (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE140-3 Werner Gene is Responsible for Cardiac Aging via Oxidative Stress 3622
 Takahiro Kamihara (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE140-4 p300/BRG1 Complex Accelerate Acetylation of Histone H3 Globular Domain during Heart Failure 3623
 Masafumi Funamoto (Division of Molecular Medicine, Graduate School of Pharmaceutical Science, University of Shizuoka, Shizuoka)
- OE140-5 Adoptive Transfer of Tet2-deficient HSPC to Non-conditioned Mice Reveals Clonal Expansion and Age-dependent Cardiac Dysfunction under Homeostatic Conditions 3623
 Ying Wang (Hematovascular Biology Center, Robert M. Berne Cardiovascular Research Center, University of Virginia School of Medicine, USA)
- OE140-6 The Role of microRNA-21 in Hypertrophic Cardiac Remodeling 3624
 Ken Watanabe (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)

Oral Abstract 141

Vascular Disease 5

9:00-17:00

Chairperson : Akira Miyamoto (Department of Cardiology Takatsu General Hospital, Kawasaki)
 Chairperson : Norihiko Shinozaki (Tokai University School of Medicine, Department of Cardiology, Tokyo)
 Discussant : Hiroaki Otsuka (Department of Cardiovascular Medicine, Okayama University, Okayama)

- OE141-1 **Very Long-Term Clinical Outcomes for Peripheral Arterial Disease** 3625
 Tomonori Katsuki (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE141-2 **Withdrawn** 3626
- OE141-3 **Feasibility of Hybrid ⁶⁷Gallium-Citrate SPECT/CT Fusion Imaging for Identifying Ischemic Osteomyelitis in Patients with Chronic Limb-Threatening Ischemia** 3626
 Gen Takagi (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)
- OE141-4 **Withdrawn** 3627
- OE141-5 **The Frequency, Factor and Impact of the Slow-flow Phenomenon after Drug Coated Balloon for Femoropopliteal Lesion** 3627
 Shigemitsu Shirai (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)
- OE141-6 **Clinical Outcome of Endovascular Therapy for Aortoiliac Artery In-stent Restenosis Lesions** 3628
 Akiko Tanaka (Department of Cardiology, Sendai Kousei Hospital, Sendai)
- OE141-7 **Predictive Intravascular Ultrasound Findings on Short-Term Outcomes of Drug-Coated Balloon Angioplasty for Superficial Femoral Artery Lesions** 3628
 Shinsuke Mouri (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)
- OE141-8 **Withdrawn** 3629
- OE141-9 **Clinical Outcomes of Critical Limb Ischemia Patients with Angiographic Dissection after Balloon Angioplasty for Infrapopliteal Artery Disease** 3629
 Tomoya Fukagawa (Department of Cardiology, Saiseikai Yokohama-city Eastern Hospital, Yokohama)

Oral Abstract 142

Anticoagulation

9:00-17:00

Chairperson : Kazuhiro Shimizu (Toho University, Division of Cardiovascular Medicine, Department of Internal Medicine (Sakura), Tokyo)
 Chairperson : Manabu Kurabayashi (Division of Cardiology, Yokohama City Minato Red Cross Hospital, Yokohama)
 Discussant : Shintaro Yamagami (Kyoto University Hospital, Kyoto)
 Discussant : Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)

- OE142-1 **The Differences in Clinical Characteristics between Atrial Fibrillation and Venous Thromboembolism: From Fushimi AF Registry and COMMAND VTE Registry** 3630
 Yugo Yamashita (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE142-2 **Management and Resolution of Left Atrial Appendage Thrombus during Anticoagulation Therapy in Patients with Atrial Fibrillation** 3631
 Kenji Morihisa (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- OE142-3 **ETNA-AF-Japan: One-year Real-world Results with Edoxaban in Japanese Patients with Non-valvular Atrial Fibrillation in Long-term Clinical Practice** 3631
 Yukihiro Koretsune (National Hospital Organization Osaka National Hospital, Osaka)
- OE142-4 **Comparison of Plasma Concentration Levels of Once Daily Used Rivaroxaban and Edoxaban in the Same Patients with Non-valvular Atrial Fibrillation** 3632
 Michihiro Suwa (Department of Cardiology, Hokusetsu General Hospital, Takatsuki, Osaka)
- OE142-5 **Prothrombotic Responses after Catheter Ablation for Atrial Fibrillation during Uninterrupted Oral Anticoagulant Administration** 3632
 Satoshi Yanagisawa (Department of Advanced Cardiovascular Therapeutics, Nagoya University Graduate School of Medicine, Nagoya)
- OE142-6 **The SingXaD Study: Singapore Study of Rivaroxaban Pharmacodynamics** 3633
 Shan Ping Chow (Khoo Teck Puat Hospital, Singapore)

Oral Abstract 143

Thromboembolism 1

9:00-17:00

Chairperson : Takenori Okada (Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital, Hiroshima)
 Chairperson : Kyohei Yamaji (Division of Cardiology, Kokura Memorial Hospital, Kitakyushu)
 Discussant : Tetsuya Watanabe (Osaka General Medical Center, Osaka)

- OE143-1 Stroke and Bleeding Events by Types of Antithrombotic Therapies after Transcatheter Aortic Valve Implantation 3634
 Masanobu Ohya (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)
- OE143-2 Silent Ischemic Brain Lesion Predicts Paroxysmal Atrial Fibrillation in Patients with Insertable Cardiac Monitoring Implantation 3635
 Rin Hoshina (Department of Internal Medicine, Cardiovascular Division, Hyogo College of Medicine, Nishinomiya)
- OE143-3 Repeated Social Defeat Exaggerates Fibrin-rich Clot Formation in FeCl₃-induced Arterial Thrombosis Mice Model by Enhancing NETs Formation 3635
 Takeshi Sugimoto (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
- OE143-4 Influence of Nutritional Status Combination with Bleeding Events on Long-Term Mortality in Percutaneous Coronary Intervention Patients Taking an Oral Anticoagulant 3636
 Miku Hirose (Nagoya Daini Red Cross Hospital, Nagoya)
- OE143-5 The Prevalence and Characteristics of Percutaneous Left Atrial Appendage Occlusion Candidates among Patients Who Underwent Atrial Fibrillation Ablation 3636
 Yuta Kemi (Ueno-mura Remote Clinic, Ueno)
- OE143-6 Perioperative Management of Direct Oral Anticoagulants in Patients with Nonvalvular Atrial Fibrillation 3637
 Mihoko Kawabata (AOI Universal Hospital, Kawasaki)
- OE143-7 Comparison of Direct Oral Anticoagulants and Warfarin for the Patients with Chronic Thromboembolic Pulmonary Hypertension Treated by Balloon Pulmonary Angioplasty 3637
 Nobutaka Ikeda (Division of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo)
- OE143-8 Thrombolysis with Tissue Plasminogen Activator in Patients with Acute Pulmonary Embolisms in the Real World: From the COMMAND VTE Registry 3638
 Yuji Nishimoto (Department of Cardiology, Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)
- OE143-9 Influence of D-dimer Levels on Long-term Clinical Outcomes in Cancer-associated Venous Thromboembolism: From the COMMAND VTE Registry 3638
 Maki Oi (Department of Cardiology, Otsu Red Cross Hospital, Shiga)

Oral Abstract 144

Congenital Heart Disease 1

9:00-17:00

Chairperson : Munetaka Masuda (Department of Surgery, Yokohama City University, Yokohama)
 Chairperson : Shiro Baba (Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto)
 Discussant : Manabu Nitta (Department of Medical Science and Cardiorenal Medicine, Yokohama City University School of Medicine, Yokohama)
 Discussant : Yoshihiko Kodama (Kyushu University Hospital, Department of Cardiovascular Medicine, Fukuoka / Department of Pediatric Cardiology, Fukuoka Children's Hospital, Fukuoka)

- OE144-1 Determinants of Quality of Life among Adult Patients with Fontan Circulation 3640
 Yoshihiko Kodama (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka/Department of Pediatric Cardiology, Fukuoka Children's Hospital, Fukuoka)
- OE144-2 Efficacy and Safety of Antithrombotic Strategies in Adult Patients with Fontan Circulation: Multicenter Retrospective Cohort Study 3641
 Naoto Kawamatsu (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)
- OE144-3 ¹⁸F-FDG-PET/CT could Increase the Diagnostic Accuracy of Infective Endocarditis in Patients with Adult Congenital Heart Disease 3641
 Ayako Ishikita (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)
- OE144-4 Next-Generation Sequencing in a Series of 80 Fetuses with Complex Cardiac Malformations and/or Heterotaxy 3642
 Patrice Bouvagnet (Hopital Femme Mere Enfant, CPDPN, France)

- OE144-5 Catheter Ablation is an Effective Management Strategy for Tachyarrhythmias in Patients with Adult Congenital Heart Disease 3643
Ayako Ishikita (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)
- OE144-6 Efficacy of Hybrid Therapy with Catheter Ablation and Device Closure for Atrial Fibrillation Patients with Atrial Septal Defect 3643
Masataka Ogiso (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

一般演題口述 1

Coronary Circulation 2

9:00-17:00

座長：秋田 孝子（総合高津中央病院心臓血管センター）
座長：岩田 幸代（兵庫県立加古川医療センター循環器内科）
ディスカッサント：塩野 泰紹（和歌山医科大学循環器内科）
ディスカッサント：芦田 和博（聖隷福祉事業団聖隷横浜病院心臓血管センター内科）

- OJ1-1 The Associations between Plasma Talin-1 Levels and the Presence and Severity of Coronary Artery Disease (CAD) 3644
青山 真之（国立病院機構東京医療センター 循環器内科）
- OJ1-2 Prognostic Value of Nutritional Indexes in Patients Underwent Percutaneous Coronary Intervention; A Sub-analysis from the FUJISUN Registry 3645
中村 淳（藤枝市立総合病院 循環器内科）
- OJ1-3 The Utility of Saline-induced Resting Full-cycle Ratio Compared with Resting Full-cycle Ratio and Fractional Flow Reserve 3645
佐藤 貴雄（立川総合病院 循環器内科）
- OJ1-4 The Impact of Plaque Characteristics on the Physiological Parameters in the Intermediate Stenosis Coronary Lesions 3646
木村 茂樹（横浜南共済病院 循環器内科）
- OJ1-5 Prognostic Value of Left Ventricular Mechanical Dyssynchrony in Patients Who Had Normal Single Photon Emission Computed Tomographic Myocardial Perfusion Imaging 3646
八田 拓海（日本大学 循環器内科）
- OJ1-6 Characteristic of Dynamic ^{99m}Tc SPECT Parameter and CFR in VSA Patients 3647
藤井 洋之（横浜南共済病院 循環器内科）

一般演題口述 2

Cardiomyopathy/Hypertrophy (Clinical) 1

9:00-17:00

座長：奥田 真一（山口大学器官病態内科学）
座長：肥後 修一朗（大阪大学大学院医学系研究科重症心不全内科治療学寄附講座）
ディスカッサント：塚原 健吾（藤沢市民病院循環器内科）
ディスカッサント：南 雄一郎（東京女子医科大学病院循環器内科）

- OJ2-1 Measurement of Score for Identifying Diastolic Dysfunction in 2016 ASE/EACVI Guidelines and Prognostic Relevance in Patients with Hypertrophic Cardiomyopathy 3648
齋藤 千紘（東京女子医科大学 循環器内科学）
- OJ2-2 Validity of 2018 Japanese Circulation Society Guideline in Japanese Hypertrophic Cardiomyopathy Patients with an Implantable Cardioverter Defibrillator 3649
仲野 美代（千葉大学大学院医学研究院 循環器内科学）
- OJ2-3 Effect of Cibenzoline Treatment on Cardiovascular Complications and Prognosis in Patients with Hypertrophic Obstructive Cardiomyopathy 3649
濱田 希臣（市立宇和島病院 循環器内科）
- OJ2-4 Impact of Apical Hypertrophic Cardiomyopathy on Clinical Outcomes: Insights from Cardiac Magnetic Resonance Imaging 3650
中村 貴（近畿大学 循環器内科学）
- OJ2-5 B-type Natriuretic Peptide and Outcome in Patients with Obstructive and Non-obstructive Hypertrophic Cardiomyopathy 3650
城谷 翔太（東京女子医科大学 循環器内科）
- OJ2-6 Percutaneous Transluminal Septal Myocardial Ablation Markedly Reduces Energy Loss in Hypertrophic Obstructive Cardiomyopathy: A 4D-Flow Cardiac Magnetic Resonance Study 3651
戴 哲皓（榊原記念病院 循環器内科）

一般演題口述 3

Atherosclerosis (Clinical/Treatment) 2

9:00-17:00

座長：永井 義幸（りんくう総合医療センター循環器内科）
 座長：八巻 尚洋（福島県立医科大学循環器内科学講座）
 ディスカッション：杉崎 陽一郎（神戸大学大学院医学研究科内科学講座循環器内科学分野）
 ディスカッション：青木 元（独立行政法人労働者健康安全機構横浜労災病院冠疾患集中治療部）

- OJ3-1 Clinical Outcomes after Implantation of Epic Self-expanding Nitinol Stents for Aortoiliac Occlusive Disease in Patients with Peripheral Arterial Disease 3652
 海老原 卓（東京女子医科大学 循環器内科学）
- OJ3-2 Intensive Lipid Lowering Therapy with PCSK9 Inhibitor for Myocardial Ischemia 3653
 浅田 俊樹（横浜栄共済病院 内科）
- OJ3-3 Prognostic Predictor of Death without Wound Healing in Patients with Critical Limb Ischemia: Insights from the I-PAD Registry 3653
 春原 大輔（長野市民病院 循環器内科）
- OJ3-4 Usefulness of Lipoprotein (a) for Predicting Clinical Outcomes after Percutaneous Coronary Intervention for Stable Angina Pectoris in Hemodialysis Patients 3654
 菱刈 景一（横須賀共済病院 循環器センター 内科）
- OJ3-5 Prognostic Value of Lean Body Mass Index for Long-term Outcomes of Patients with Peripheral Artery Disease: From the I-PAD Registry 3654
 板垣 惟（伊那中央病院 循環器内科）
- OJ3-6 The Clinical Outcomes of Drug-Coated Balloon for De-Novo Various Coronary Artery Disease 3655
 遠井 悟（東邦大学医療センター 大橋病院 循環器内科）

一般演題口述 4

Heart Failure (Intervention)

9:00-17:00

座長：石坂 信和（大阪医科大学内科学 3）
 座長：真野 敏昭（関西労災病院循環器内科）
 ディスカッション：中妻 賢志（三菱京都病院）

- OJ4-1 Short-term Outcomes after MitraClip for the Treatment of High-risk Mitral Regurgitation Patients in Real-world Setting in Japan 3656
 稲垣 裕介（東京女子医科大学 循環器内科学）
- OJ4-2 'Less Invasive' Ventricular Restriction in the Era of Advanced Assist Circulation 3657
 米田 正始（医誠会病院 心臓血管外科）
- OJ4-3 What is Required to Pervade Palliative Care for Patients with Advanced Heart Failure? 3657
 今村 義浩（麻生飯塚病院 循環器内科）
- OJ4-4 Prediction of Maximum Tolerated Beta-blocker Dose Using Right Ventricular Stroke Work Index in Heart Failure with Reduced Ejection Fraction Patients 3658
 井上 朋子（香川大学医学部 循環器・腎臓・脳卒中内科学）
- OJ4-5 Clinical Efficacy of Catheter Ablation for Atrial Fibrillation in Patients with Heart Failure with Preserved Ejection Fraction 3658
 井上 啓司（京都第二赤十字病院 循環器内科）
- OJ4-6 Effects of Seamless Interprofessional Collaboration Using Multi-disciplinary Check Sheet for Acute Decompensated Heart Failure with Readmission and Medical Cost Control 3659
 前田 美歌（西宮渡辺心臓脳・血管センター 循環器内科）

一般演題口述 5

Heart Failure (Imaging)

9:00-17:00

座長：小林 成美（神戸大学医学部附属病院循環器内科）
 座長：上松 正朗（独立行政法人国立病院機構大阪医療センター循環器内科）
 ディスカッション：岩田 真一（大阪市立大学大学院医学研究科循環器内科学）

- OJ5-1 Usefulness of Intra-left Ventricular Pressure Gradient during Atrial Contraction for Diagnosing Left Ventricular Diastolic Dysfunction 3660
 山本 惇貴（名古屋市立大学大学院 医学研究科 循環器内科学）

- OJ5-2 Adenosine Stress Thallium-201 Imaging Predicts Recurrent Decompensation in Acute Heart Failure with Mid-range Ejection Fraction 3661
名村 宏之 (加古川中央市民病院 内科)
- OJ5-3 Optimal Cut-off Value of Structural Abnormalities Associated with Left Atrial Enlargement Predicting Heart Failure with or without Mitral Regurgitation 3661
中川 (上谷) 珠実 (金沢大学附属病院 循環器内科)
- OJ5-4 Obese is the Favorable Basic Characteristics for a Left Ventricular Reverse Remodeling in Dilated Cardiomyopathy 3662
中川 大嗣 (筑波大学医学医療系 循環器内科)
- OJ5-5 Prognostic Impact of Right Ventricular Dysfunction in the Japanese HFpEF Patients -Insights from PURSUIT-HFpEF Registry- 3662
中川 彰人 (尼崎中央病院 循環器内科)
- OJ5-6 Prognostic Importance of Precise LVEF Evaluation for HFpEF Patients -Findings from PURSUIT-HFpEF Registry- 3663
中川 彰人 (尼崎中央病院 循環器内科)

一般演題口述 6

Interlink between Heart Failure and Other Organs

9:00-17:00

座長：藤田 亮子 (枚方公済病院)
座長：渡邊 博之 (秋田大学大学院医学系研究科循環器内科学・呼吸器内科学講座)
ディスカッサント：河合 喬文 (京都大学大学院医学研究科循環器内科学)
ディスカッサント：辻野 健 (兵庫医療大学薬学部)

- OJ6-1 Pancreatic Exocrine Insufficiency in Patients Following Acute Decompensated Heart Failure 3664
比企 優 (順天堂大学大学院医学研究科 循環器内科学)
- OJ6-2 Clinical Implications of Intrarenal Hemodynamic Evaluation by Ultrasonography in Patients with Heart Failure 3665
渡邊 孝一郎 (福島県立医科大学 循環器内科学講座)
- OJ6-3 Clinical Implications of Hepatic Hemodynamic Evaluation by Ultrasonography in Patients with Heart Failure 3665
實槻 優 (福島県立医科大学 循環器内科学講座)
- OJ6-4 Relationship between Exercise Capacity and Cerebral White Matter Hyperintensity in Frail Elderly Patients with Heart Failure 3666
平敷 安希博 (国立長寿医療研究センター 循環器内科)
- OJ6-5 Prognostic Impact of Change in Intrarenal Venous Flow Pattern in Patients with Heart Failure 3666
山本 昌良 (筑波大学 循環器内科)
- OJ6-6 Estimated Right Atrial Pressure by IVC Measurement Successfully Predicts Prognoses in Heart Failure Patients with Preserved but not Reduced LVEF 3667
齋藤 千紘 (東京女子医科大学 循環器内科学)

一般演題口述 7

Heart Failure (Prognosis) 1

9:00-17:00

座長：猪子 森明 (北野病院心臓センター循環器内科)
座長：和田 厚幸 (草津総合病院循環器内科)
ディスカッサント：春名 克純 (北野病院)
ディスカッサント：廣谷 信一 (河内総合病院)

- OJ7-1 Is FIB4 Index Useful for Predicting Future Heart Failure Events in Short Term? 3668
國田 英司 (広島市立安佐市民病院)
- OJ7-2 Utility of H₂FPEF Score for Prediction of Heart Failure Development in Patients with Atrial Fibrillation and Preserved Ejection Fraction 3669
谷口 直樹 (関西医科大学 循環器内科, 内科学第二講座)
- OJ7-3 Factors Associated with Ejection Fraction Improvement among Heart Failure Patients with Reduced Ejection Fraction 3669
芹川 直輝 (東京女子医科大学 循環器内科学)

- OJ7-4 Prognostic Utility of Early Decongestion Strategy Using Congestion Scoring in Patients Hospitalized for Acute Heart Failure 3670
高原 邦彦 (春日井市民病院 循環器内科)
- OJ7-5 Clinical Impact of Early Phase Worsening Renal Function between Younger and Elder Patients with Acute Decompensated Heart Failure 3670
澤村 昭典 (一宮市立市民病院 循環器内科)
- OJ7-6 Controlling Nutritional Status Score Predicts Outcomes of Cardiovascular Event in Patients with Heart Failure with Preserved Ejection Fraction 3671
小森田 貴史 (熊本大学病院 循環器内科学)

一般演題口述 8

Heart Failure (Biomarker)

9:00-17:00

座長：加藤 祐子 (心臓血管研究所付属病院)
座長：河野 隆志 (杏林大学医学部付属病院循環器内科)
ディスカッサント：星野 康三 (永井病院循環器内科)
ディスカッサント：柳澤 洋 (京都大学大学院医学研究科循環器内科)

- OJ8-1 Prognostic Significance of Circulating Leukocyte Subtype Counts in Patients with Chronic Heart Failure 3672
高江 将史 (熊本大学病院 循環器内科学)
- OJ8-2 B-type Natriuretic Peptide is Associated with Post-discharge Stroke in Patients with Heart Failure 3673
寶槻 優 (福島県立医科大学 循環器内科学講座)
- OJ8-3 TRACP5b is Associated with High Mortality in Hospitalized Patients with Heart Failure 3673
阿部 諭史 (福島県立医科大学附属病院 循環器内科学講座)
- OJ8-4 Association between Serum Vitamin D Levels and Clinical Outcomes in Patients with Acute Decompensated Heart Failure: Kochi YOSACOI Study 3674
濱田 知幸 (高知大学医学部 老年病・循環器内科)
- OJ8-5 Possible Mechanisms Underlying Elevated Serum NT-pro-BNP Levels in Healthy Japanese Subjects 3674
岩崎 陽一 (東京医科大学病院 循環器内科)
- OJ8-6 演題取り下げ 3675

一般演題口述 9

Cardiac Function (Basic/Clinical)

9:00-17:00

座長：浅井 邦也 (日本医科大学千葉北総病院集中治療室)
座長：清水 雅人 (横浜南共済病院循環器内科)
ディスカッサント：濱谷 康弘 (国立病院機構京都医療センター循環器内科)

- OJ9-1 Impact of Right-Atrial Pressure Waveform on Prognosis of Heart Failure 3676
田畑 達也 (心臓血管研究所付属病院 循環器内科)
- OJ9-2 演題取り下げ 3677
- OJ9-3 The Number of B Lines by Lung Ultrasound can Predict Left Ventricular Filling Pressure in Patients with Heart Failure 3677
坂本 考弘 (益田赤十字病院 循環器科)
- OJ9-4 Impact of Structural Abnormalities Associated with Left Atrial Enlargement on the Severity of Heart Failure with or without Mitral Regurgitation 3678
中川 珠実 (金沢大学附属病院 循環器内科)
- OJ9-5 The Impact of Right Ventricular Dyssynchrony on Right Ventricular Dysfunction and Exercise Intolerance in Patients with Repaired Tetralogy of Fallot 3678
中澤 直美 (筑波大学 循環器内科, 臨床検査医学)
- OJ9-6 Effects of Arterial Stiffness on the Assessment of Left Ventricular Systolic Function Using Carotid Arterial Wave Intensity 3679
飯野 貴子 (秋田大学大学院医学系研究科 循環器内科学)

一般演題口述 10

Obesity/SAS

9:00-17:00

座長：安藤 真一（九州大学病院睡眠時無呼吸センター）
 座長：高田 佳史（東京医科大学循環器内科学分野循環器内科）
 ディスカッション：宮川 紗和（京都大学大学院医学研究科循環器内科）
 ディスカッション：古殿 真之介（長崎みなとメディカルセンター心臓血管内科）

- OJ10-1 Both Leanness and Obesity were Associated with Cardiovascular Events in Patients with More than 65 Years Old 3680
 島海 進一（自治医科大学 循環器内科学）
- OJ10-2 Clinical Utility of Pulse-transit-time to Monitor Beat-to-beat Blood Pressure in the Patients with Sleep Disordered Breathing 3681
 三阪 智史（福島県立医科大学 循環器内科学講座）
- OJ10-3 Impact of CPAP on Left Ventricular Dysfunction in Patients at Risk (Stage A Heart Failure) with Obstructive Sleep Apnea 3681
 俵原 敬（浜松赤十字病院 循環器科）
- OJ10-4 The Serum Uric Acid Level in Females may be a Better Indicator of Cardio-metabolic Risk than Males in Japanese Population 3682
 松尾 礼（日本大学病院 循環器内科学）
- OJ10-5 Prognostic Impact of Low Body Mass Index in Patients with Heart Failure; Sub-analysis of CURE-HF Registry 3682
 大熊 ゆかり（長野赤十字病院 循環器内科）
- OJ10-6 Liver Stiffness and Cardiac Load in Obstructive Sleep Apnea with/without Obesity 3683
 椎名 一紀（東京医科大学循環器内科学分野）

一般演題口述 11

Kidney 3

9:00-17:00

座長：石井 秀樹（名古屋大学大学院医学系研究科循環器内科学）
 座長：大蔵 隆文（愛媛大学大学院地域救急医療学講座）
 ディスカッション：石光 俊彦（獨協医科大学腎臓・高血圧内科）
 ディスカッション：中川 仁（奈良県立医科大学）

- OJ11-1 Urinary Concentration of Liver-Type Fatty-Acid Binding Protein versus Neutrophil Gelatinase-Associated Lipocalin for Predicting Acute Kidney Injury 3684
 西村 豪人（藤田医科大学 循環器内科）
- OJ11-2 Current Management Status in Chronic Kidney Disease-Mineral and Bone Disorder Patients -The Importance of the Serum Calcium Level 3685
 末田 大輔（熊本大学病院 循環器内科）
- OJ11-3 Liraglutide Improves Estimated Glomerular Filtration Rate Slopes in Chronic Kidney Disease and Type 2 Diabetes: A 7-Year Retrospective Analysis 3685
 加藤 誠（那珂記念クリニック）
- OJ11-4 Prognostic Value of Urinary Concentration of Liver-Type Fatty-Acid Binding Protein versus Neutrophil Gelatinase-Associated Lipocalin for Long-Term Adverse Outcomes 3686
 西村 豪人（藤田医科大学 循環器内科）
- OJ11-5 The Longitudinal Changes in Cystatin C-based Estimated Glomerular Filtration Rate is Associated to Cardiovascular Events in a General Japanese Population 3686
 大崎 拓也（岩手医科大学 循環器内科）
- OJ11-6 Use of Proton Pump Inhibitors Increase Adverse Cardiovascular Events in Hemodialysis Patients: Insight from the KIDS Registry 3687
 小瀬戸 一平（鹿児島大学大学院医歯学総合研究科 心臓血管・高血圧内科学）

一般演題口述 12

Cardio-Oncology 1

9:00-17:00

座長：矢野 俊之（札幌医科大学医学部循環器・腎臓・代謝内分泌内科学講座）
 座長：北原 康行（がん・感染症センター都立駒込病院）
 ディスカッション：安居 琢（大阪国際がんセンター腫瘍循環器科）

OJ12-1	Risk Factors for Major Bleeding during Prolonged Anticoagulation Therapy in Patients with Cancer-associated Venous Thromboembolisms: From the COMMAND VTE Registry	3688
	西本 裕二 (兵庫県立尼崎総合医療センター 循環器内科)	
OJ12-2	演題取り下げ	3689
OJ12-3	演題取り下げ	3689
OJ12-4	The Prospective Single-center Analysis of a Screening System for Cardiovascular Disorders Associated with Immune Checkpoint Inhibitors Administrations	3690
	古川 明日香 (国際医療福祉大学三田病院 心臓血管センター)	
OJ12-5	Impact of Ventricular Fibrillation with QT Prolongation on Medical Castration in Patients with Prostate Cancer	3690
	長谷川 奏恵 (福井大学 循環器内科)	
OJ12-6	Longitudinal Change of Regional Left Ventricular Deformation by Chemotherapy-induced Cardiotoxicity in Patients with Breast Cancer	3691
	藤原 淳子 (東北大学病院 診療技術部 生理検査部門)	

一般演題口述 13

AF Ablation Method/Others 2

9:00-17:00

座長：内藤 滋人 (群馬県立心臓血管センター循環器内科)
 座長：渡邊 則和 (関東労災病院)
 ディスカッション：大西 尚昭 (大津赤十字病院循環器内科)

OJ13-1	Impact of Radiation Exposure-reduction Strategy Using Intracardiac Echocardiography on the Safety and Efficacy of Catheter Ablation Procedure for Atrial Fibrillation	3692
	川治 徹真 (三菱京都病院 心臓内科)	
OJ13-2	Transition of Red Cell Distribution Width before and after Catheter Ablation for Atrial Fibrillation is an Independent Predictor for Recurrence	3693
	吉元 一成 (桜橋渡辺病院 内科)	
OJ13-3	Micro-embolic Signals during Radiofrequency and Cryoballoon-Ablation for Atrial Fibrillation -Analysis from Real-Time Carotid Artery Doppler Monitoring-	3693
	利根川 玲奈 (国立循環器病研究センター 心臓血管内科)	
OJ13-4	Age- and Distribution-difference in Pulmonary Vein Antra Remodeling: Clinical Implication for Pulmonary Vein Isolation	3694
	野村 沙紀恵 (日本大学 循環器内科)	
OJ13-5	Time-course of Activated Clotting Time for Minimally Interrupted and Uninterrupted Direct Oral Anticoagulation on Atrial Fibrillation Ablation	3694
	山地 博介 (岡山ハートクリニック ハートリズムセンター)	
OJ13-6	The Difference of Long-term Outcome by Anti-arrhythmic Drug after Ablation for Paroxysmal Atrial Fibrillation; Sub-analysis of EAST-AF Trial	3695
	貝谷 和昭 (大津赤十字病院 循環器内科)	

一般演題口述 14

AF Ablation Method/Postoperative AT

9:00-17:00

座長：小松 隆 (岩手医科大学内科学講座循環器内科分野)
 座長：中野 由紀子 (広島大学病院循環器内科)
 ディスカッション：天谷 直貴 (公立小浜病院内科・循環器内科)
 ディスカッション：宮内 瑞穂 (日本医科大学付属病院循環器内科)

OJ14-1	Long-term Status of Mitral Isthmus Blockline after Chemical Ablation of the Vein of Marshall	3696
	中村 玲奈 (横浜市立みなと赤十字病院 循環器科)	
OJ14-2	Long-term Outcomes after Second-generation Cryoballoon Ablation for Atrial Fibrillation Using a Single Short Freeze Strategy without Bonus Freezes	3697
	原 聡史 (土浦協同病院 循環器内科)	
OJ14-3	The Utility of High-Resolution Electro Anatomical Mapping System (Rhythmia™) for Catheter Ablation of Complex Left Atrial Tachycardia	3697
	武 寛 (群馬県立心臓血管センター 循環器内科)	

- OJ14-4 Therapeutic Strategy for Peri-mitral Atrial Tachycardia: Comparison of Antero-septal Line and Lateral Isthmus Line 3698
関本 暁 (名古屋市立東部医療センター 循環器内科)
- OJ14-5 Mitral Isthmus Ablation in Patients with Atrial Fibrillation 3698
中島 永美子 (草加市立病院 循環器内科)
- OJ14-6 Incidence and Clinical Significance of Inducible Perimitral Atrial Tachycardia in Patients with Atrial Fibrillation 3699
伊藤 紳晃 (日本医科大学 循環器内科)

一般演題口述 15

AF/Biomarker

9:00-17:00

座長: 西角 彰良 (香川県立白鳥病院循環器内科)
座長: 上山 剛 (山口県立総合医療センター循環器内科)
ディスカッサント: 橋本 賢一 (防衛医科大学校病院総合臨床部)

- OJ15-1 The Impact of Hyperuricemia on Clinical Outcome after Catheter Ablation for Atrial Fibrillation 3700
大瀬戸 宏綱 (東京慈恵会医科大学 循環器内科)
- OJ15-2 B-Type Natriuretic Peptide Predicts Stroke Events after Catheter Ablation of Atrial Fibrillation: Insights from AF Frontier Ablation Registry 3701
加藤 武史 (金沢大学附属病院 循環器内科)
- OJ15-3 The Relation among Left Atrial D-dimer and Peripheral CRP Levels, and Left Ventricular Function in Patients with Atrial Fibrillation 3701
渡部 徹也 (大阪急性期・総合医療センター 心臓内科)
- OJ15-4 Toll-like Receptor 4 Upregulation on Circulating CD14++CD16+ monocytes Correlates with the Low-voltage Zones in Patients with Atrial Fibrillation 3702
末廣 英也 (神戸大学大学院医学研究科 内科学講座・循環器内科学分野)
- OJ15-5 演題取り下げ 3702
- OJ15-6 Relationship between VEGF-C and Atrial Fibrillation in Patients with Suspected or Known Coronary Artery Disease: The ANOX Study 3703
井口 守丈 (国立病院機構京都医療センター 循環器内科)

一般演題口述 16

AF Ablation Method/Region

9:00-17:00

座長: 蜂谷 仁 (土浦協同病院循環器センター内科)
座長: 小堀 敦志 (神戸市立医療センター中央市民病院循環器内科)
ディスカッサント: 岩崎 雄樹 (日本医科大学循環器内科)
ディスカッサント: 花澤 康司 (日本赤十字社和歌山医療センター)

- OJ16-1 Third-generation Cryoballoon is More Suitable to Right Inferior Pulmonary Veins with a Short-trunk 3704
高平 青洋 (千葉大学医学部附属病院 循環器内科学)
- OJ16-2 Heart Rate Elevation at 1 Month after Cryoablation can Predict Better Clinical Outcome for Paroxysmal Atrial Fibrillation 3705
井上 峻輔 (横浜労災病院 循環器内科)
- OJ16-3 Clinical Investigation of the Recurrent Atrial Tachycardia after the Cryoballoon Ablation on the Left Atrial Posterior Wall 3705
重田 卓俊 (横浜市立みなと赤十字病院 循環器科)
- OJ16-4 The Elevation of Cryoballoon Catheter Tip Pressure is a Good Predictor of Complete Pulmonary Vein Occlusion 3706
辻本 大起 (松江赤十字病院 循環器科)
- OJ16-5 Timing and Frequency of Early Recurrence were Important Factors Related to Late Recurrence after Cryo-Ablation of Atrial Fibrillation 3706
岩崎 洋一郎 (松江赤十字病院 循環器内科)
- OJ16-6 Efficacy of Minimally Invasive Tailor-made Cryoballoon Ablation Strategy with Time to Target Temperature in Patients with Paroxysmal Atrial Fibrillation 3707
中野 貴之 (広島市立広島市民病院 循環器内科)

一般演題口述 17

AF Balloon Ablation/Cryo 1

9:00-17:00

座長：新田 順一（榊原記念病院循環器内科）
 座長：白田 和生（富山県立中央病院内科（循環器））
 ディスカッション：伴場 圭一（心臓病センター榊原病院循環器内科）

- OJ17-1 Procedural Outcomes and Safety using Cryoballoon for Atrial Fibrillation Ablation: Japan Cohort Results from the Cryo AF Global Registry 3708
 奥村 謙（済生会熊本病院 循環器内科）
- OJ17-2 The Efficacy of Non-Pulmonary Vein Triggers Ablation after Pulmonary Vein Isolation with Cryoballoon for Atrial Fibrillation Patients 3709
 池ノ内 孝（さいたま赤十字病院 循環器科）
- OJ17-3 Feasibility and Efficacy of Time-to-pulmonary Vein Isolation Guided Ablation Using the Fourth Generation Cryoballoon with a Shorter Tip 3709
 遠山 英子（福岡山王病院 ハートリズムセンター）
- OJ17-4 Outcome of Cryoballoon Ablation for Atrial Fibrillation without Contrast 3710
 牧野 裕一郎（市立四日市病院 循環器内科）
- OJ17-5 Protracted Impairment of Left Atrial Compliance after Cryoballoon Ablation in the Recurrence-free Patients with Paroxysmal Atrial Fibrillation 3710
 南坂 朋子（八尾市立病院）
- OJ17-6 Analysis of Predictors of Nadir Temperature during Left Atrial Roof and Bottom Linear Ablation with Cryoballoon in Real Clinical Data 3711
 平尾 龍彦（横浜市立みなと赤十字病院 循環器科）

一般演題口述 18

AF Balloon Ablation/Cryo 2

9:00-17:00

座長：原田 智雄（聖マリアンナ医科大学病院循環器内科）
 座長：円城寺 由久（大崎病院東京ハートセンター）
 ディスカッション：慶田 毅彦（社会福祉法人仁生社江戸川病院循環器科）
 ディスカッション：永田 恭敏（武蔵野赤十字病院循環器科）

- OJ18-1 Optimal Value of Ablation Index for Circumferential Pulmonary Vein Isolation with High Power Radiofrequency Application 3712
 岡松 秀治（済生会熊本病院 心臓血管センター 循環器内科）
- OJ18-2 The Safety and Efficacy of the Ablation Index-Guided Circumferential Pulmonary Vein Isolation with High Power Radiofrequency Application 3713
 岡松 秀治（済生会熊本病院 心臓血管センター 循環器内科）
- OJ18-3 Optimized Lesion Size Index (o-LSI): The Novel Predictor for Sufficient Ablation of Pulmonary Vein Isolation 3713
 松浦 元（北里大学 循環器内科学）
- OJ18-4 Tailoring Ablation Index Based on Left Atrial Wall Thickness Improves Efficacy of Pulmonary Vein Isolation in Atrial Fibrillation 3714
 本池 雄二（藤田医科大学 循環器内科学）
- OJ18-5 Anatomical Characteristics in Left Atrial Roof Region: Evaluation by Intra-cardiac Echocardiography and Implications for Linear Ablation 3714
 本池 雄二（藤田医科大学 循環器内科学）
- OJ18-6 The Impact of Lesion Size Index on Pulmonary Vein Reconnection in Patients with Recurrent Atrial Fibrillation after Catheter Ablation 3715
 磯谷 亮太（東京慈恵会医科大学 葛飾医療センター 循環器内科）
- OJ18-7 Impedance Drop during Lesion Size Index Guided Pulmonary Vein Isolation 3715
 金子 裕太郎（浜松医科大学 第三内科）
- OJ18-8 Association between the Ablation Index and Conduction Gap in Patients with Arrhythmia Recurrence after Box Isolation 3716
 張田 健志（天理よろづ相談所病院 循環器内科）
- OJ18-9 Relationship between the Local Impedance Drop and Acute Gaps in Circumferential Antrum Lesions in Patients with Atrial Fibrillation 3716
 吉谷 和泰（兵庫県立尼崎総合医療センター 循環器内科）

一般演題口述 19

Vascular Disease 6

9:00-17:00

座長：菅野 晃靖（横浜市立大学医学部循環器・腎臓・高血圧内科学）
 座長：土田 博光（誠潤会水戸病院心臓血管外科）
 ディスカッション：小林 泰士（兵庫県立尼崎総合医療センター循環器内科）

- OJ19-1 Ankle Hemodynamic Parameters may Appropriately Enhance the Severity of Arterial Blood Supply Deficiency in Patients with Peripheral Arterial Disease 3717
 丹野 巡（埼玉医科大学国際医療センター 心臓内科）
- OJ19-2 Different Clinical Features of Acute Aortic Dissection Comparing and Acute Myocardial Infarction from TOKYO CCU Network Database 3718
 渡邊 和宏（日本大学病院 循環器内科）
- OJ19-3 Importance of Heart Rate Control after Surgical Repair of Type A Acute Aortic Dissection 3718
 萩谷 健一（神原記念病院 循環器内科）
- OJ19-4 Glass Staging Does not Predict the Wound Healing Rates of the Ischemic Tissue Loss after Endovascular Therapy 3719
 岡本 慎（関西労災病院 循環器内科）
- OJ19-5 演題取り下げ 3719
- OJ19-6 演題取り下げ 3720

一般演題口述 20

Pulmonary Circulation 4

9:00-17:00

座長：足立 史郎（名古屋大学医学部附属病院循環器内科）
 座長：上田 仁（国立循環器病研究センター心臓血管内科）
 ディスカッション：福家 聡一郎（岡山赤十字病院循環器内科）
 ディスカッション：竹原 有史（旭川医科大学臨床研究支援センター（循環器科））

- OJ20-1 The Assessment of Lung Function and Residual Hypoxemia after Balloon Pulmonary Angioplasty for Patients with Chronic Thromboembolic Hypertension 3721
 松岡 庸一郎（神戸大学 循環呼吸器病態学）
- OJ20-2 The Long-term Clinical Outcomes of Symptomatic Outpatients of Unprovoked Pulmonary Embolism: From the COMMAND VTE Registry 3722
 村田 耕一郎（静岡市立静岡病院 循環器内科）
- OJ20-3 Effects of Additional Balloon Pulmonary Angioplasty in CTEPH Patients with Residual Pulmonary Hypertension after Pulmonary Endarterectomy 3722
 青木 竜男（国立循環器病研究センター 心臓血管内科）
- OJ20-4 Disease-specific Patterns of Pulmonary Wave Reflection in Pulmonary Hypertension 3723
 葉山 裕真（慶應義塾大学病院 循環器内科）
- OJ20-5 The Fibrosis-4 Index in Connective Tissue Disease is Associated with Pulmonary Hypertension 3723
 仲 悠太郎（産業医科大学 循環器・腎臓内科）
- OJ20-6 Hyperglycemia and In-Hospital Prognosis in Patients with Acute Pulmonary Embolism: Results of the Tokyo CCU Network Registry 3724
 野里 寿史（武蔵野赤十字病院 循環器科）

一般演題口述 21

PCI Restenosis

9:00-17:00

座長：井上 直人（東京蒲田病院東京ハートセンター循環器科）
 座長：中野 顕（彦根市立病院循環器科）
 ディスカッション：飛田 一樹（湘南鎌倉総合病院）
 ディスカッション：石橋 堅（広島大学大学院医系科学研究科循環器内科学）

- OJ21-1 Clinical Outcome after Treatment of in Stent Restenosis and De Novo Lesions Using Drug Coated Balloons 3725
 金田 俊雄（横浜南共済病院 循環器内科）

OJ21-2	Comparison of Coronary In-Stent Restenosis Rate between Second-Generation and Third-Generation Coronary Drug-Eluting Stents in Patients with Hemodialysis	3726
	ト部 洋司 (県立広島病院 循環器内科)	
OJ21-3	The LDL/Apolipoprotein B Ratio is a Strong Predictor for Neointimal Characteristics and In-stent Restenosis after Everolimus-Eluting Stent Implantation	3726
	阿久津 尚孝 (日本大学医学部附属板橋病院 内科学系循環器内科分野)	
OJ21-4	Comparative Study of the Effect of Paclitaxel Coating Balloon on Coronary Microcirculation for in Stent Restenosis	3727
	関 勝仁 (秋田大学大学院医学系研究科 循環器内科学分野)	
OJ21-5	Target Lesion Revascularization Rate would not Differ among Three Different Stent Types in Chronic Phase: Insights from Single Hospital Cohort	3727
	岸 幹夫 (心臓血管研究所 循環器内科)	
OJ21-6	演題取り下げ	3728

一般演題口述 22

AF Complication 2

9:00-17:00

座長：藤井 英太郎 (名張市立病院循環器内科)
 座長：井上 啓司 (京都第二赤十字病院循環器科)
 ディスカッション：保坂 幸男 (新潟市民病院循環器科)
 ディスカッション：新田 正光 (千葉西総合病院循環器科)

OJ22-1	A Simple Method to Avoid Phrenic Nerve Injury during Anatomical Superior Vena Cava Isolation	3729
	福井 暁 (大分大学医学部 循環器内科・臨床検査診断学講座)	
OJ22-2	Impact of the Type of Electroanatomic Mapping System on the Incidence of Cerebral Embolism after Left Atrial Tachycardia Ablation	3730
	中村 紘規 (群馬県立心臓血管センター 循環器内科)	
OJ22-3	Difference of the Severity of Cardiac Tamponade during AF Ablation; A Comparison between the Periprocedural Anticoagulation Using Warfarin and Dabigatran	3730
	伊藤 徳彦 (横須賀共済病院 循環器内科)	
OJ22-4	Analysis of the Primary Factor which Predicts the Incidence of Esophageal Injury after Catheter Ablation of Atrial Fibrillation	3731
	伊藤 美和 (熊本大学 循環器病態学)	
OJ22-5	The Incidence and Characteristics of Esophageal and Periesophageal Nerve Injury in Ablation of Atrial Fibrillation Using High Power-Short Duration Setting	3731
	金城 貴士 (福島県立医科大学 心臓調律制御医学講座)	
OJ22-6	The Incidence of Esophageal Thermal Lesions and Gastric Hypomotility after Contact-force Guided Pulmonary Vein Isolation with Esophageal Temperature Monitoring	3732
	吉賀 康裕 (山口大学 器官病態内科学)	

一般演題口述 23

AF Heart Failure

9:00-17:00

座長：白山 武司 (京都府立医科大学循環器内科)
 座長：田邊 康子 (旭川医科大学内科学講座循環・呼吸・神経病態内科学分野)
 ディスカッション：TBA (TBA)
 ディスカッション：中村 健太郎 (新山手病院)

OJ23-1	Catheter Ablation of Atrial Fibrillation in Patients with Congestive Heart Failure	3733
	新田 義一 (さいたま赤十字病院 循環器科)	
OJ23-2	演題取り下げ	3734
OJ23-3	The Relationship between Cardiac Decompensation and Individual Diagnostic Criteria for Isolated Diastolic Dysfunction in Patients with Paroxysmal Atrial Fibrillation	3734
	小島 香 (岩手医科大学 循環器内科)	
OJ23-4	Catheter Ablation of Atrial Fibrillation in Patients with Both Critical Left Ventricular Dysfunction and Serious Heart Failure	3735
	水野 智文 (岡山大学病院 循環器内科)	

- OJ23-5 The Severity of Tricuspid Regurgitation Predicts Subsequent Heart Failure Hospitalization in Patients with Newly Diagnosed Atrial Fibrillation 3735
藤澤 大志 (慶應義塾大学病院 循環器内科)
- OJ23-6 Post-ablation Atrial and Ventricular Reverse Remodeling and Its Clinical Implication in Patients with Atrial Fibrillation and Left Ventricular Systolic Dysfunction 3736
岡田 真人 (桜橋渡辺病院 心臓血管センター)

一般演題口述 24

Heart Failure (Pharmacotherapy) 2

9:00-17:00

座長：花谷 彰久 (医療法人生長会府中病院心不全センター)
座長：鶴田 敏博 (宮崎大学医学部内科学講座循環体液制御学分野)
ディスカッサント：川田 啓之 (奈良県総合医療センター循環器内科)
ディスカッサント：杉岡 紗千子 (京都大学大学院医学研究科循環器内科学)

- OJ24-1 Predictive Value of Low Lymphocyte Concentration and Effectiveness of Statin in Aged Patients with Chronic Heart Failure Complicated Lymphocytopenia 3737
松村 憲太郎 (香川井下病院 循環器内科)
- OJ24-2 Impact of B-blocker on Long-term Outcomes in Congestive Heart Failure Patients with Chronic Obstructive Pulmonary Disease -ASIAN HF Registry- 3738
久保田 芳明 (日本医科大学 循環器内科)
- OJ24-3 The Dapagliflozin and Prevention of Adverse-outcomes in Heart Failure Trial (DAPA-HF) 3738
北風 政史 (国立循環器病研究センター 心臓血管内科)
- OJ24-4 Age Difference in Clinical Impact of Guideline-Directed Medical Therapy in Patients with Acute Decompensated Heart Failure: Kochi YOSACOI Study 3739
濱田 知幸 (高知大学医学部 老年病・循環器内科)
- OJ24-5 Nutritional Status in Patients with Chronic Heart Failure and Availability of ω -3 Fatty Acids Supplements on Cardiovascular Death in Statin-non-Users 3739
松村 憲太郎 (香川井下病院 循環器内科)
- OJ24-6 Donepezil Markedly Attenuates the Progression of Cardiac/Renal Remodeling in Rats with Renal Artery Stenosis-Induced Hypertension 3740
李 梅花 (国立循環器病研究センター 循環動態制御部)
- OJ24-7 Prediction of Heart Failure Readmission by Combinatorial Cardiac and Non-Cardiac Factors in Patients with Acute Heart Failure 3740
伯野 大彦 (川崎市立川崎病院 循環器内科)
- OJ24-8 Associations of Benzodiazepine with Adverse Prognosis in Heart Failure Patients with Insomnia 3741
佐藤 悠 (福島県立医科大学 循環器内科学講座)
- OJ24-9 1-hour Diuretic Response to Initial Intravenous 20mg Furosemide in Patients with Acute Decompensated Heart Failure 3741
池原 典之 (名古屋市立西部医療センター 循環器内科)

一般演題口述 25

Prevention 5

9:00-17:00

座長：宗像 正徳 (東北労災病院生活習慣病研究センター)
座長：小林 貴 (国立国際医療研究センター国府台病院循環器内科)
ディスカッサント：太良 修平 (日本医科大学付属病院心臓血管集中治療科)
ディスカッサント：佐藤 裕介 (杉田玄白記念公立小浜病院)

- OJ25-1 Patients with Asymptomatic AF Had a 2.7-times Higher Untreated Rate than the Rate in Patients with Symptomatic AF 3742
田巻 健治 (岩手県予防医学協会 循環器科)
- OJ25-2 Effect of Advancing Age on Dietary Salt Intakes: A Follow-up Study 3743
竹内 祐貴 (遠州病院 内科)
- OJ25-3 Which is More Predictive for All-cause Mortality, Actual Age or Predicted Age via 12-lead Electrocardiogram? -Shinken Database Analysis- 3743
廣田 尚美 (心臓血管研究所 附属病院 循環器科)

- OJ25-4 Gender Differences in Effectiveness of Weight Reduction on Future Blood Pressure Increase in Mildly Obese Middle-aged Population 3744
川添 晋 (鹿児島大学大学院 心血管病予防分析学)
- OJ25-5 Serum Levels of LOX-1 Ligand Containing ApoAI are Associated with Coronary Artery Calcification in Middle-aged Japanese Men 3744
平田 あや (慶應義塾大学 医学部衛生学公衆衛生学教室)
- OJ25-6 Dietary Salt Intake is Associated with Future Development of Metabolic Syndrome in the General Population 3745
柳田 修 (遠州病院 内科)
- OJ25-7 Clinical Effect of Comorbid Coronary Artery Disease Detected during Preoperative Cardiac Risk Assessment of Carotid Endarterectomy 3745
中嶋 博幸 (長野松代総合病院 循環器内科)
- OJ25-8 Impact of Skeletal Muscle Mass on Prognosis in Patients with Acute Coronary Syndrome 3746
水口 幸生 (さくら会高橋病院 循環器内科)
- OJ25-9 The Relationship between Home Blood Pressure and Temperature in the General Population 3746
窪菌 琢郎 (鹿児島大学大学院医歯学総合研究科 心臓血管・高血圧内科学)

一般演題口述 26

Heart Failure (Prognosis) 2

9:00-17:00

座長：五十嵐 祐子 (東京医科大学病院循環器内科)
座長：宮内 卓 (筑波大学医学医療系循環器内科)
ディスカッサント：栗原 佳宏 (京都大学医学部附属病院相談支援センター)
ディスカッサント：土肥 薫 (三重大学大学院循環器・腎臓内科学)

- OJ26-1 Prognostic Impact of Comorbidity on Mortality in Patient with Acute Decompensated Heart Failure 3747
墨 卓哉 (一宮市立市民病院 循環器科)
- OJ26-2 Prognostic Significance of Diastolic Blood Pressure in Patients with Heart Failure with Preserved Ejection Fraction 3748
淵田 彩 (南長野医療センター 篠ノ井総合病院 循環器内科)
- OJ26-3 High-risk Identification by Left Ventricular Mechanical Dyssynchrony and Impaired Cardiac Sympathetic Innervation in Heart Failure Patients with Left Ventricular Hypertrophy 3748
土井 崇裕 (手稲溪仁会病院 循環器内科)
- OJ26-4 Prognostic Utility of ACUTE HF Score for 3year Mortality in Hospitalized Acute Heart Failure in Japan 3749
高原 邦彦 (春日井市民病院 循環器内科)
- OJ26-5 Prognostic Impact of Hyponatremia during Hospitalization in Patients with Acute Decompensated Heart Failure 3749
田巻 庸道 (天理よろづ相談所病院 循環器内科)
- OJ26-6 The Relationship between CHA2DS2-VASc Score and Isolated Diastolic Dysfunction in Patients with Paroxysmal Atrial Fibrillation 3750
澤 陽平 (岩手医科大学 内科学講座 循環器内科分野)

一般演題口述 27

Atherosclerosis (Clinical/Pathophysiology) 2

9:00-17:00

座長：杉山 正悟 (陣内病院循環器内科)
座長：赤尾 浩慶 (金沢医科大学循環器内科学)
ディスカッサント：井手 裕也 (京都大学医学部附属病院循環器内科／先制医療・生活習慣病研究センター)
ディスカッサント：本庄 友行 (神鋼記念病院循環器内科)

- OJ27-1 18F-Fluoride Uptake in Penile Arteries Correlates with Erectile Dysfunction 3751
中原 健裕 (慶應義塾大学 放射線診断科)
- OJ27-2 Associations of Serum Type-I Procollagen N-Terminal Propeptide and Tartrate-Resistant Acid Phosphatase-5b with Aortic Valve Calcification in Gender-Specific Analyses 3752
國田 英司 (広島市立安佐市民病院 循環器内科)
- OJ27-3 Clinical Feasibility of Non-obstructive General Angioscopy for Assessing Atherosclerotic Pathology of Aortic Aneurysm *in Vivo*: A Novel Approach 3752
小嶋 啓介 (日本大学 内科学系循環器内科学分野)

- OJ27-4 Sex-dependent Association between Day-by-day Morning Blood Pressure Variability and Common Carotid Artery Intima-media Thickness in the High-risk Elderly 3753
永井 道明 (広島市立安佐市民病院 循環器科)
- OJ27-5 The Effects of Statins: The Detailed Lipid Profile Analysis in the Real-World Patients with Suspected Coronary Heart Disease 3753
外山 昌弘 (筑波大学附属病院水戸地域医療教育センター・水戸協同病院 循環器内科)
- OJ27-6 A Blood Pressure-Adjusted Stiffness Index, the Cardio-Ankle Vascular Index (CAVI), Affects Nighttime Ambulatory Hemodynamics: The COUPLING Study 3754
藤原 健史 (自治医科大学 内科学講座 循環器内科学部門)

一般演題口述 28

ACS (Clinical/Treatment) 3

9:00-17:00

座長：山地 雄平 (北野病院)
座長：富岡 智子 (みやぎ県南中核病院循環器内科)
ディスカッサント：井村 慎志 (岡村記念病院)
ディスカッサント：西川 隆介 (静岡県立総合病院循環器内科)

- OJ28-1 Association between Clinical Outcomes after Excimer Laser Coronary Angioplasty and Optical Coherence Tomography Findings in Acute Coronary Syndrome Patients 3755
李 哲民 (東京医科歯科大学 循環制御内科学)
- OJ28-2 Comparison of Risk Factors for In-hospital Mortality in Diabetic and Non-diabetic Patients with Acute Myocardial Infarction 3756
肥田 頼彦 (岩手医科大学 内科学講座 循環器内科分野)
- OJ28-3 演題取り下げ 3756
- OJ28-4 Impact of Complete Percutaneous Coronary Revascularization on Long-term Outcomes in ACS Patients with Multivessel Coronary Artery Disease 3757
安田 健太郎 (順天堂大学医学部附属静岡病院 循環器内科学)
- OJ28-5 演題取り下げ 3757
- OJ28-6 Comparison of Restenosis and Prognosis of Bioderagable-Polymer DES and Durable-Polymer DES in Patients with Acute Myocardial Infarction 3758
牛込 亮一 (仙台市医療センター仙台オープン病院 循環器内科)

一般演題口述 29

Nuclear Imaging (PET/Others) 2

9:00-17:00

座長：氷見 寿治 (君津中央病院循環器内科)
座長：田原 宣広 (久留米大学医学部内科学講座心臓・血管内科部門)
ディスカッサント：清水 雅人 (横浜南共済病院循環器内科)

- OJ29-1 Comparison of Diagnostic Accuracy of 18-fluorodeoxyglucose Positron Emission Tomography and Gallium-67 Scintigraphy in Prosthetic Valve Endocarditis and Intra-cardiac Device Infection 3759
山崎 誠太 (天理よろづ相談所病院 循環器内科)
- OJ29-2 Imaging Modalities in the Diagnosis of Cardiac Sarcoidosis Based on the Updated JCS2015/2016 Guidelines: J-CASP Registry 3760
中嶋 憲一 (金沢大学 機能画像人工知能学)
- OJ29-3 Implication of T1WI Signal and FDG Activity within Coronary Plaques Evaluated by Pathological Approach and Intracoronary Imaging 3760
戸次 宗久 (久留米大学 内科 心臓・血管内科)
- OJ29-4 Usefulness of Myocardial Blood Quantification by ¹³N Ammonia PET in Heart Transplant Patients 3761
岸原 誠 (東京女子医科大学 循環器内科学)
- OJ29-5 演題取り下げ 3761
- OJ29-6 Evaluation of Cardiac Sympathetic Nerve Activity and Cardiac Death Events in Heart Failure Patients with Recovered Ejection Fraction 3762
石橋 洋平 (群馬大学医学部附属病院 循環器内科)

一般演題口述 30

Cardiac Rehabilitation 3

9:00-17:00

座長：安 隆則（獨協医科大学 日光医療センター心臓・血管・腎臓内科）
 座長：宇佐美 俊輔（関西電力病院循環器内科）
 ディスカッション：齋藤 博則（岡山赤十字病院医療社会事業部）

- OJ30-1 Involvement of Growth Differentiation Factor-15 (GDF-15) on Muscle Atrophy in Patients with Cardiovascular Diseases 3763
 中島 敏明（獨協医科大学 心臓・血管内科/循環器内科）
- OJ30-2 Relationship between Cardiac Rehabilitation and In-hospital Mortality Due to Acute Myocardial Infarction or Heart Failure Derived from JROAD Database 3764
 白石 裕一（京都府立医科大学 循環器・腎臓内科学）
- OJ30-3 Weekly Interval Training Time-dependently Attenuates Respiratory Drive during Exercise through Desensitization of the Respiratory Controller 3764
 宮本 忠吉（大阪産業大学大学院人間環境学研究科 システム生理学）
- OJ30-4 Trend in Physical Findings and Nutritional Status from 1979 to 2016 in Japanese Males -The Tanushimaru Study- 3765
 吉川 尚宏（久留米大学 内科学部門 心臓・血管内科）
- OJ30-5 Exercise-Induced Desaturation/Distance Ratio, a Novel Index Derived from Six-Minute Walk Test, in Patients with Cardiovascular Disease Receiving Outpatient Cardiac Rehabilitation 3765
 松岡 雄治郎（石切生喜病院 循環器内科）
- OJ30-6 Predictors and Outcomes in Patients without Outpatient Cardiac Rehabilitation Following Acute Myocardial Infarction 3766
 角田 史敬（昭和大学 医学部 内科学講座 循環器内科学部門）

一般演題口述 31

Arrhythmia (Basic) 2

9:00-17:00

座長：大野 聖子（国立循環器病研究センター分子生物学部）
 座長：林 研至（金沢大学大学院医薬保健学総合研究科医学専攻循環器内科学研究分野）
 ディスカッション：筒井 健太（埼玉医科大学国際医療センター心臓内科・不整脈科）
 ディスカッション：山本 雄大（京都大学大学院医学研究科循環器内科）

- OJ31-1 Trafficking Defect and Depolarizing Shift in Activation of SCN5A W374G Channels as Underlying Biophysical Defects of Brugada Syndrome 3767
 中島 忠（群馬大学 循環器内科）
- OJ31-2 Human Induced Pluripotent Stem Cell Model of CACNA1C-E1115K which Impairs Ion Selectivity of the Cardiac L-type Calcium Channel 3768
 柏 麻美（京都大学大学院医学研究科 循環器内科学）
- OJ31-3 Usefulness of Combination of Mathematical Modeling and Cell Engineering Using Induced Pluripotent Stem Cells for Revealing Complex Disease Mechanism 3768
 糀谷 泰彦（京都大学医学部附属病院 循環器内科）
- OJ31-4 Extracorporeal Heavy-ion Irradiation to Aged-rabbit with Hypercholesterolemia Express Atrial Antiarrhythmic Effects Due to Upregulated Connexin Expression and Suppressed Nerve Sprouting 3769
 網野 真理（東海大学 循環器内科学）
- OJ31-5 Role of Angiopoietin-Like Protein 2 in Atrial Fibrosis Induced by Human Epicardial Adipose Tissue 3769
 吉良 晋太郎（大分大学 循環器内科・臨床検査診断学講座）
- OJ31-6 Gain-of-function Mutant IKACH Channels as a Pharmacological Target for Bradyarrhythmia 3770
 山田 憲明（大阪大学 循環器内科学）
- OJ31-7 Therapeutic Effects of Bepridil and Verapamil for Premature Ventricular Complexes Induced during the Enhancement of Cardio-sympathetic Nerve Activity 3770
 齋藤 修（新潟大学 保健学科）
- OJ31-8 演題取り下げ 3771
- OJ31-9 演題取り下げ 3771

一般演題口述 32

Congenital Heart Disease 2

9:00-17:00

座長：加藤 太一（名古屋大学大学院医学系研究科成長発達医学）
 座長：浅井 徹（順天堂大学医学部心臓血管外科）
 ディスカッサント：川松 直人（筑波大学循環器内科）
 ディスカッサント：石戸 美妃子（東京女子医科大学循環器小児科）

- OJ32-1 Efficacy of Contrast Transthoracic Echocardiography on Identification of High-Risk Patent Foramen Ovale 3772
 駿河 宗城（岡山大学 循環器内科学）
- OJ32-2 Atrial Arrhythmia in Congenital Heart Disease Attempt to Estimate by 12-Lead ECG Average Wave 3773
 岩島 寛（中東遠総合医療センター 小児循環器科）
- OJ32-3 Early Vascular Aging in Adults with Congenital Heart Disease 3773
 村上 智明（札幌徳洲会病院 小児科）
- OJ32-4 Activated NF-K B Signaling Both in Cardiomyocytes and Cardiac Fibroblasts Induces Non-compaction Cardiomyopathy 3774
 杉岡 紗千子（京都大学大学院医学研究科 循環器内科学）
- OJ32-5 Health-related Quality of Life Predicts Cardiovascular Outcomes and Unplanned Hospital Admissions in Patients with Adult Congenital Heart Disease 3774
 紺野 亮（東北大学 循環器内科学）
- OJ32-6 Characteristics of Patients with Adult Congenital Heart Disease Who are Treated by Non-specialized Doctors 3775
 仁田 学（横浜市立大学大学院医学研究科 循環器・腎臓・高血圧内科学）
- OJ32-7 Influence of Nuss Surgical-Operation for Pectus-Excavatum on Electrocardiogram Abnormality Considering Anatomical-Severity as Indicated by Haller-Index Acquired by Computed-Tomography and Age 3775
 船橋 伸禎（千葉大学医学部 循環器内科学）
- OJ32-8 Hybrid Therapy of Anti-tachycardia Pacing and Catheter Ablation of Supraventricular Tachycardia for Patients with Complex Congenital Heart Disease 3776
 豊原 啓子（東京女子医科大学 循環器小児 成人先天性心疾患科）
- OJ32-9 Impact of Right Ventricular Dilatation on an Indication for Atrial Septal Defect Closure 3776
 中山 理絵（岡山大学 循環器内科学）

チーム医療セッション 一般演題（口述） 1

9:00-17:00

座長：種村 正（公益財団法人心臓血管研究所付属病院臨床検査室）
 座長：小笹 寧子（京都大学大学院医学研究科 循環器内科学）

- CO1-1 無症候性重症大動脈弁狭窄症が 80 歳以上の高齢者の予後に与える影響 4315
 鈴木 敦子（常陸大宮済生会病院 臨床検査科）
- CO1-2 入院高齢心不全患者に対する包括的心臓リハビリテーション介入がもたらす自宅退院への影響 4316
 山崎 耀太（静岡市立清水病院 リハビリテーション技術科）
- CO1-3 当院の心臓リハビリテーション実施患者の運動耐容能と抑うつ・不安との関係における一考察 4316
 坂本 摩耶（福岡大学病院 循環器内科）
- CO1-4 当院の血管撮影装置における、術者の水晶体の被ばく線量に関する検討 4317
 大澤 充晴（愛知医科大学病院 中央放射線部）
- CO1-5 混合性無呼吸イベントにおける Duty Ratio を用いたループゲイン推測の臨床的意義 4317
 浅沼 亮子（ゆみのハートクリニック）
- CO1-6 急性冠症候群に対する Door to balloon time 短縮に向けて～受け入れ体制の再構築と心電図伝送システム導入の成果～ 4318
 松野 ひとみ（社会福祉法人 恩賜財団 済生会熊本病院 救命救急外来）

チーム医療セッション 一般演題（口述） 2

9:00-17:00

座長：真下 泰（JCHO 札幌北辰病院 ME 部）
 座長：坂本 肇（順天堂大学保健医療学部診療放射線学科）

- CO2-1 スペクトラル CT を用いた急性冠症候群に対する心筋灌流評価 4319
 望月 純二（みなみ野循環器病院 放射線科）

CO2-2	当院における放射線技師によるオンライン法でのアンギオグラフィーを用いた FFR (QFR) 測定の有用性と QFR 値のグレーゾーン設定の意義	4320
	若林 尚貴 (聖路加国際病院 放射線科)	
CO2-3	IABP 至適タイミングの再考—DABAC/SABAC 指数より—	4320
	中井 浩司 (名古屋掖済会病院 臨床工学部)	
CO2-4	クライオバルーンアブレーションを用いた左房後壁の線状焼灼作成に影響を及ぼすパラメータの検討	4321
	柴田 信哉 (聖路加国際病院 臨床工学部)	
CO2-5	術前 3DCT による左房形態から見た Cryo Balloon Ablation 難易度の検証	4321
	佐々木 文昭 (秋田県立循環器・脳脊髄センター 放射線科診療部)	
CO2-6	肥大型心筋症患者における新規心房細動発症の予測因子	4322
	妻屋 裕理子 (金沢大学 検査部)	

チーム医療セッション 一般演題 (口述) 3

9:00-17:00

座長: 松下 健一 (熊本大学病院心血管治療先端医療寄附講座)
 座長: 山田 純生 (名古屋大学大学院医学系研究科 (保健学))

CO3-1	心不全の退院後体重減少は、HFpEF と HFrEF で関連因子が異なる: FLAGSHIP Study からの報告	4323
	上坂 建太 (北野病院 リハビリテーション科)	
CO3-2	慢性心不全患者に対する吸気筋トレーニングの有効性について	4324
	田屋 雅信 (東京大学医学部附属病院 リハビリテーション部)	
CO3-3	心大血管手術患者における術後心不全入院リスク因子の検討	4324
	佐藤 麻美 (公益財団法人 心臓血管研究所附属病院)	
CO3-4	オフポンプ冠動脈バイパス手術における血液回収システムが術後リハビリテーションに与える影響	4325
	石橋 修 (総合病院 土浦協同病院 リハビリテーション部)	
CO3-5	経カテーテル大動脈弁留置術患者において CT による大腰筋体積及び CT 値は再入院の独立した予測因子である	4325
	作山 晃裕 (日本心臓血管研究振興会附属 榊原記念病院 リハビリテーション科)	
CO3-6	バルーン肺動脈形成術後の身体的活動と QOL の変化—SF-36v2 [®] と 6 分間歩行試験に基づく比較検討—	4326
	谷川 侑加 (独立行政法人国立病院機構岡山医療センター)	

Poster Session 1

Cardiomyopathy (Clinical) 1

9:00-17:00

Chairperson: Fumio Terasaki (Osaka Medical College, Medical Education Center/Department of Cardiology, Takatsuki)
 Chairperson: Hiroaki Kawano (Department of Cardiovascular Medicine, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki)

PE1-1	4D Flow MRI Reveals the Reduction in Turbulent Kinetic Energy after Percutaneous Transluminal Septal Myocardial Ablation in Hypertrophic Obstructive Cardiomyopathy	3778
	Junya Matsuda (Division of Cardiovascular Intensive Care, Nippon Medical School, Tokyo)	
PE1-2	Evaluation of Mitral Valve Changes in Hypertrophic Obstructive Cardiomyopathy Using Four-dimensional Computed Tomography	3779
	Maya Ishiguro (Department of Cardiology, Sakakibara Heart Institute, Fuchu)	
PE1-3	Hypertrophic Cardiomyopathy Clinical Profile: Gender-specific Differences and Association with Polymorphic Variant rs1739843 of the HSPB7 Gene	3779
	Anna A. Streltsova (Almazov Federal Medical Research Centre, Russian Federation)	
PE1-4	Prognostic Impact of Pulmonary Artery Pulsatility Index (PAPi) in Dilated Cardiomyopathy	3780
	Tasuku Kuwayama (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)	
PE1-5	Assessment of β -blocker Therapy Response in Patients with Dilated Cardiomyopathy Using Native T1 Mapping on CMR	3780
	Yusuke Nishida (Takai Hospital, Department of Cardiovascular Medicine, Tenri)	
PE1-6	Hypertrophic Cardiomyopathy with Embolic Stroke: Clinical Characteristics and Implication	3781
	Junya Komatsu (Department of Cardiology, Chikamori Hospital, Kochi)	

- PE1-7 Potential Cardiac Dysfunction in Patients with Alzheimer's Disease 3781
Risako Fujiwara (Treatment Team for Cerebro-and Cardio-Vascular Disease, Akita Cerebrospinal and Cardiovascular Center, Akita)
- PE1-8 Myocardial Contraction Fraction Predicts Cardiovascular Events in Patients with Hypertrophic Cardiomyopathy and Normal Ejection Fraction 3782
Yuichi J. Shimada (Columbia University Medical Center, USA)

Poster Session 2

Echocardiography 1

9:00-17:00

Chairperson : Minako Kinoshita (Department of Cardiology, Kobe City Nishi-Kobe Medical Center, Kobe)
Chairperson : Yukio Abe (Department of Cardiology, Osaka City General Hospital, Osaka)

- PE2-1 Effect of TAVI on Left Ventricular Global Longitudinal Strain in Patients with Severe Aortic Stenosis Exhibiting an Apical Sparing Pattern 3783
Go Kawamura (Department of Cardiology, Ehime Prefectural Central Hospital, Matsuyama)
- PE2-2 Association of Left Ventricular Global Longitudinal Strain with Myocardial Perfusion Evaluated by ¹³N-ammonia Positron Emission Tomography 3784
Sayuri Yamabe (Department of Cardiology, Fujita Health University, Toyoake)
- PE2-3 Prognostic Assessment of Relative Apical Sparing Pattern of Longitudinal Strain for Severe Aortic Valve Stenosis 3784
Makoto Saito (Department of Cardiology, Kitaishikai Hospital, Ozu)
- PE2-4 Mechanism and Clinical Impact of Mitral Regurgitation Associated with Cardiac Sarcoidosis 3785
Yoshikazu Yazaki (Department of Cardiovascular Medicine, Saku Central Hospital Advanced Care Center, Saku)
- PE2-5 Prognostic Value of the Combined Evaluation of Right Ventricular Function by Echocardiography in Patients with Non-Ischemic Dilated Cardiomyopathy 3785
Jumpei Ishiwata (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)
- PE2-6 Relationship of the Speckle-tracking Echocardiography Indicators and Coronary Artery Damage Degree in Patients with CHD 3786
Khafiza F. Yusupova (Republican Specialized Scientific and Practical Medical Center of Cardiology of Uzbekistan, Republic of Uzbekistan)
- PE2-7 Right Ventricular Dysfunction is Caused by Inter Ventricular Septal Injury Due to Ischemia 3787
Chan Seok Park (Catholic University of Korea, Korea)
- PE2-8 Global Longitudinal Strain and Ventricular Remodelling in Survivors of Myocardial Infarction after One Year of Successful versus Unsuccessful Coronary Angioplasty 3787
Jesus Bueno-Campa (Hospital de Especialidades Dr. Antonio Fraga Mouret - Centro Medico Nacional La Raza - Instituto Mexicano del Seguro Social, United Mexican States)

Poster Session 3

ACS (Diagnosis) 2

9:00-17:00

Chairperson : Erika Yamamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Akihiro Nakamura (Iwate Prefectural Central Hospital, Morioka)

- PE3-1 Impact of Plaque Morphology on Clinical Outcomes in Patients with Acute Coronary Syndrome: An Optical Coherence Tomography Study 3788
Takashi Yokota (Department of Cardiology, Hirosaki University Graduate School of Medicine, Hirosaki)
- PE3-2 The Feature and Prognosis of Artery-to-artery Embolic Myocardial Infarction; OCT Study 3789
Masahiro Takahata (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
- PE3-3 Withdrawn 3789
- PE3-4 The Relationship between Abdominal Visceral Adipose Tissue and the Mid-term Cardiovascular Events in Male Patients with Acute Coronary Syndrome 3790
Chikara Ueyama (Department of Cardiovascular Medicine, Gifu Prefectural Tajimi Hospital, Tajimi)
- PE3-5 The Anion Gap Acidosis Predicts Long-term Cardiac Mortality in Elderly Acute Coronary Syndrome Patients Who Underwent Primary Percutaneous Coronary Intervention 3790
Tomoharu Kawase (Department of Cardiology, Hiroshima City, Hiroshima Citizens Hospital, Hiroshima)

- PE3-6 V3R ST-segment Elevation Complicated with Acute Anterior Myocardial Infarction is Associated with Heart Failure 3791
Takeshi Adachi (Department of Cardiology, Anjo Kosei Hospital, Anjo)
- PE3-7 Combined Impact of Age and Right Ventricular Infarction in Inferior ST-Elevation Myocardial Infarction on In-hospital Prognosis in Cambodia 3791
Samrany San (Cardiology Department, Calmette Hospital, Cambodia)
- PE3-8 The Detection of Regional Right Ventricular Damages in Patients with Acute Inferior Myocardial Infarction by Using 3-D Speckle-Tracking Echocardiography 3792
Takako Iino (Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)

Poster Session 4

AF Ablation Method 2

9:00-17:00

Chairperson : Takanao Mine (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)
Chairperson : Shinji Kaneko (Toyota Kosei Hospital, Toyota)

- PE4-1 Safety and Effectiveness of Ablation Index-guide Radiofrequency Isolation of the Superior Vena Cava in Atrial Fibrillation 3793
Shozo Kaneko (Department of Cardiology, Saiseikai Kumamoto Hospital, Kumamoto)
- PE4-2 Ganglionated Plexuses Modification by Conventional Pulmonary Vein Isolation in the Medium-term Phase 3794
Daisuke Ishigaki (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- PE4-3 Withdrawn 3794
- PE4-4 Effect of Ablation for Rotor Clustered on Low-Voltage Border Area Overlapped by CFAE on Prevention of Non-Paroxysmal Atrial Fibrillation 3795
Norishige Morita (Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo)
- PE4-5 Ethanol Infusion of the Vein of the Marshall Associated with Successful Mitral Isthmus Ablation 3795
Takehiko Keida (Department of Cardiology, Edogawa Hospital, Tokyo)
- PE4-6 Withdrawn 3796
- PE4-7 Long-term Outcomes of Atrial Fibrillation Radiofrequency Catheter Ablation for the Patients with Persistent Left Superior Vena Cava 3796
Kanako Ito-Hagiwara (Department of Cardiology, Nippon Medical School, Tokyo)
- PE4-8 Strict Thoracic Vein Isolation Strategies for Non-paroxysmal Atrial Fibrillation Attenuate the Effects of Low Voltage Area 3797
Takuya Omuro (Department of Clinical Laboratory Sciences, Yamaguchi University Graduate School of Medicine, Ube)

Poster Session 5

Cardiomyopathy (Clinical) 3

9:00-17:00

Chairperson : Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Hitoshi Takano (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

- PE5-1 Clinical Significance of Acute Kidney Injury Biomarker for Short-term Clinical Events in Takotsubo Syndrome 3798
Mitsumasa Sudo (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)
- PE5-2 Prevalence and Characteristics of Takotsubo Syndrome Associated with Subarachnoid Hemorrhage 3799
Takako Fujita (Department of Cardiology, Chikamori Hospital, Kochi)
- PE5-3 The Association of In-hospital Death Developing Takotsubo Cardiomyopathy and Risk Factors for the Past 10 Years 3799
Kosuke Katano (Cardiovascular Center, Kawakita General Hospital, Tokyo)
- PE5-4 Renal Function on Admission is Associated with Future Left Ventricular Ejection Fraction Recovery in Patients with Acute Heart Failure 3800
Yuki Irie (National Cerebral and Cardiovascular Center Hospital, Suita)

PE5-5	Withdrawn	3800
PE5-6	Emotional Trigger is Uncommon in Very Elderly Patients with Takotsubo Syndrome	3801
	Yuki Nishimura (Department of Cardiology, Chikamori Hospital, Kochi)	
PE5-7	Relationship between BNP Level and New-onset Atrial Fibrillation in Non-ischemic Cardiomyopathy	3801
	Mana Okune (Division of Cardiology, Kindai University Faculty of Medicine, Osakasayama)	
PE5-8	Clinical Utility of Controlling Nutritional Status Score for Predicting Short-term Clinical Events in Takotsubo Syndrome: Two Center Study	3802
	Kurara Takahashi (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)	

Poster Session 6

Heart Failure (Non-pharmacology)

9:00-17:00

Chairperson : Noriaki Takama (Department of Cardiovascular Medicine, Gunma University School of Medicine, Maebashi)
 Chairperson : Po-Min Chen (Department of Cardiology, Osaka Saiseikai Noe Hospital, Osaka)

PE6-1	MentalPlus® Digital Game can be a Cognitive Dysfunction Tool in Heart Failure Patients. A Randomized Exploratory Study for Reliability Evaluation	3803
	Valeria F. A. Pereira (Heart Institute -HCFMUSP- School of Medicine, Federative Republic of Brazil)	
PE6-2	Gut Microbiota Dysbiosis Regulates Free Fatty Acid Metabolism in Heart Failure Patients with Preserved Ejection Fraction	3804
	Bo Zhou (Cardiovascular Department, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China)	
PE6-3	The Hemodynamic Changes in Patients with Chronic Heart Failure with Preserved Ejection and Acute Brain Stroke	3804
	Khusniddin Ikromov (Tashkent Medical Academy, Uzbekistan)	
PE6-4	Filtration Function of Kidneys in Patients with Chronic Heart Failure Depending on the Level of Left Ventricular Ejection Fraction	3805
	Alina A. Bektimirova (Tashkent Medical Pediatric Institute, Republic of Uzbekistan)	
PE6-5	The Relationship of Heart Failure with Left Ventricular Wall Motion Abnormalities in Preah Ket Mealea Hospital of Cambodia 2017-2018	3805
	Youhok Lim (Faculty of Medicine, University of Puthisastra, Kingdom of Cambodia)	
PE6-6	Clinical Characteristic of Heart Failure with Different Ejection Fraction at Heart Failure Clinic in Cipto Mangunkusumo National Hospital Indonesia	3806
	Clara Shinta Aruan (Cipto Mangunkusumo National Hospital, Indonesia)	
PE6-7	Withdrawn	3806
PE6-8	Long-term Impact of Transient or Persistent Troponin Elevation in Patients without Definite Coronary Artery Disease	3807
	Jongeun Park (Samsung Medical Center, Korea)	

Poster Session 7

PCI Others 2

9:00-17:00

Chairperson : Masahiro Natsuaki (Department of Cardiovascular Medicine, Saga University, Saga)
 Chairperson : Junichi Tazaki (Kyoto University Hospital, Kyoto)

PE7-1	Withdrawn	3808
PE7-2	Dual Antithrombotic Therapy Compared to Triple Antithrombotic Therapy in Patients Taking Anticoagulants before and after Percutaneous Coronary Intervention	3809
	Sadahiro Hijikata (Department of Cardiovascular Medicine, Shin-yurigaoka General Hospital, Kawasaki)	
PE7-3	Prophylactic Treatment with Percutaneous Coronary Intervention in Patients Undergoing Elective Abdominal Aortic Aneurysm Surgery	3809
	Morihiro Takeda (Department of Cardiovascular Medicine, International University of Health and Welfare Hospital, Nasushiobara)	
PE7-4	Small Balloon Technique for Dislodged Stent Retrieval: Distal vs Proximal Capture	3810
	Takayuki Ogawa (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)	

- PE7-5 **Gastrointestinal Bleeding Remain Even in Current Drug Eluting Stent Era** 3810
Tomomi Watanabe (Division of Cardiovascular Medicine, Department of Molecular Medicine and Therapeutics, Faculty of Medicine, Tottori University, Yonago)
- PE7-6 **Prognostic Impact of PCI Appropriateness on Long-term Outcomes in Patients with Stable Angina** 3811
Kiyoshi Kume (Cardiovascular Division, Osaka Saiseikai Senri Hospital, Suita)
- PE7-7 **Withdrawn** 3811
- PE7-8 **Usefulness of the V-RESOLVE (Visual Estimation for Risk prEdiction of Side Branch OccLusion in Coronary Bifurcation InterVENTion) Score System** 3812
Takahide Nakano (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)

Poster Session 8

AF Ablation Method 3

9:00-17:00

Chairperson : Yuichiro Kawamura (Health Administration Center, Asahikawa Medical University, Asahikawa)
Chairperson : Yoshifumi Okano (Tokyo Metropolitan Health and Medical Treatment Corp. Ohkubo HP, Tokyo)

- PE8-1 **Atrial Defibrillation Threshold of Internal Cardioversion Prior to Catheter Ablation -A Potential Predictor of Atrial Fibrillation Recurrence** 3813
Kohei Sawasaki (Department of Cardiology, Hamamatsu Medical Center, Hamamatsu)
- PE8-2 **Clinical Significance of Sinus Rate Achieved by Electrical Cardioversion before Ablation Procedure in Patients with Long-standing Persistent Atrial Fibrillation** 3814
Sen Matsumoto (JCHO Hoshigaoka Medical Center, Hirakata)
- PE8-3 **Utility of High-Sensitive Troponin T for Predicting Clinical Outcomes after Catheter Ablation for Atrial Fibrillation** 3814
Shota Tamura (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- PE8-4 **Predictors of Structural Left Atrial Remodeling after Multiple Ablation Procedures for Atrial Fibrillation** 3815
Naotaka Hashiguchi (Japanese Red Cross Narita Hospital, Narita)
- PE8-5 **Electrophysiological Characteristics of Silent Paroxysmal Atrial Fibrillation: Is It a Target for Catheter Ablation?** 3815
Naoya Hironobe (Department of Cardiovascular Medicine, Hiroshima University Hospital, Hiroshima)
- PE8-6 **Anti-Tachycardia Pacing (Reactive-ATP) is Effective in Patients with a History of Catheter Ablation for Atrial Fibrillation** 3816
Toshifumi Nakagomi (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- PE8-7 **Very Early Recurrence is not Associated with the True Recurrence of Atrial Fibrillation after Hotballoon Ablation** 3816
Kenichi Yokoyama (Jikei University School of Medicine, Tokyo)
- PE8-8 **Efficacy of Pre-ablated Direct Current Cardioversion for Persistent Atrial Fibrillation: A Single Center Retrospective Study** 3817
Hiroyuki Kamada (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

Poster Session 9

AF Ablation Method 4

9:00-17:00

Chairperson : Noriyuki Hayami (The Fourth Department of Internal Medicine, Teikyo University Hospital, Mizonokuchi, Kawasaki)
Chairperson : Mihoko Kawabata (Arrhythmia Advanced Therapy Center, AOI Universal Hospital, Kawasaki)

- PE9-1 **The Validity of Ablation Index-guided, High-Power Radiofrequency Ablation Compared with Force Time Integral-guided Ablation in Patients with Paroxysmal Atrial Fibrillation** 3818
Jin Teranishi (Department of Cardiology, Japanese Red Cross Society Himeji Hospital, Himeji)
- PE9-2 **Evaluation of the Optimal Lesion Size Index to Prevent Acute Reconnections of Pulmonary Vein** 3819
Yoshio Furukawa (Osaka General Medical Center, Osaka)
- PE9-3 **Efficacy and Safety of Ablation Index-Based High Power Ablation for Atrial Fibrillation** 3819
Miki Amemiya (Tokyo Medical and Dental University, Medical Hospital, Tokyo)

PE9-4	Withdrawn	3820
PE9-5	The Utility of Ablation Index for the Superior Vena Cava Isolation	3820
	Daisuke Kawano (Japan Self Defense Forces Central Hospital, Department of Cardiology, Tokyo)	
PE9-6	Is Targeted Ablation Index 500 Enough to Complete the Block of Left Atrial Roof Line?	3821
	Mina Miyoshi (Department of Cardiology, JCHO Chukyo Hospital, Nagoya)	
PE9-7	Withdrawn	3821
PE9-8	Decrease in Bipolar Amplitude of Intracardiac Electrograms in Patients Undergoing Lesion Size Index Guided Pulmonary Vein Isolation	3822
	Yoshihisa Naruse (Division of Cardiology, Internal Medicine III, Hamamatsu University School of Medicine, Hamamatsu)	

Poster Session 10

Obesity/SAS

9:00-17:00

Chairperson : Sunao Kojima (Kawasaki Medical School, Kurashiki)

Chairperson : Hisashi Adachi (Department of Community Medicine, Kurume University School of Medicine, Kurume)

PE10-1	Impact of Epicardial Adipose Tissue on Global Longitudinal Strain in Patients with Normal Left Ventricular Ejection Fraction	3823
	Maimaituxun Gulinu (Department of Diabetes, Endocrinology and Metabolism, Fukushima Medical University, Fukushima)	
PE10-2	Effect of Eicosapentaenoic Acid Administration in Sleep Apnea Patients with Coronary Artery Diseases: Findings from Pilot RCT	3824
	Kensuke Shimazaki (Nishiarai Heart Center Hospital, Tokyo)	
PE10-3	Relationships of Obesity-Related Indices and Metabolic Syndrome with Subclinical Atherosclerosis in Middle-Aged Subjects	3824
	Tomonori Sugiura (Department of Cardiology, Nagoya City University, Nagoya)	
PE10-4	Withdrawn	3825
PE10-5	Impact of Oral Myofunctional Therapy to Treat the Patients with Moderate to Severe Obstructive Sleep Apnea	3825
	Mayumi Suzuki (Division of Comprehensive Sleep Medicine, Tokyo Women's Medical University, Tokyo)	
PE10-6	Sleep Disordered Breathing and Chronic Kidney Disease are Independent Risk Factors for Multivessel Coronary Artery Disease	3826
	Masahiro Izumi (Department of Cardiology, Kinki Central Hospital of Mutual Aid Association of Public School Teachers, Itami)	
PE10-7	The Association between Body Mass Index and Health Status or Sleep Disorders among University Students	3826
	Shinobu Sugihara (Health Service Center, Shimane University, Matsue)	
PE10-8	Nocturnal Hypoxemia is Associated with Increased Mortality in Patients with Acute Myocardial Infarction	3827
	Shinnosuke Furudono (Department of Cardiovascular Medicine, Nagasaki Harbor Medical Center, Nagasaki)	

Poster Session 11

ACS (Diagnosis) 3

9:00-17:00

Chairperson : Takeshi Aoyama (Shimada Municipal Hospital, Shimada)

Chairperson : Yasuyuki Kawai (Department of Cardiology, Kanazawa Medical University, Kanazawa)

PE11-1	Very Long-term Outcomes of Acute Myocardial Infarction in Young Adults	3828
	Hidenori Kojima (Tenri Hospital, Tenri)	
PE11-2	Impact of the Access Site on the Management and Outcomes of Patients with Acute Coronary Syndrome	3829
	Eiji Taguchi (Division of Cardiology, Saiseikai Kumamoto Hospital Cardiovascular Center, Kumamoto)	

PE11-3	Prevalence and Prognosis of Familial Hypercholesterolemia with Acute Coronary Syndrome in Mie Prefecture (Report from Mie ACS Registry)	3829
	Akihiro Takasaki (CCU Network, Mie University School of Medicine, Tsu)	
PE11-4	Withdrawn	3830
PE11-5	Impact of a History of Stroke on Long-term Cardiac Mortality in ACS Patients Treated with Percutaneous Coronary Intervention	3830
	Mitsuhiro Takeuchi (Department of Cardiology, Juntendo University Shizuoka Hospital, Nagaoka)	
PE11-6	Hyponatremia as a Short-term Mortality Predictor in Acute Coronary Syndrome: An Evidence-based Case Report	3831
	Danindra A. Hidayat (Faculty of Medicine Universitas Indonesia, Indonesia)	
PE11-7	Feasibility Study of Artificial Intelligence (AI) Based Multifunction CardioGram (MCG) Technology and Its Potential to Help Reduce Cardiac Death	3831
	Than Htay (Maharmyaing Hospital, Union of Myanmar)	
PE11-8	Withdrawn	3832

Poster Session 12

Electrocardiogram 1

9:00-17:00

Chairperson : Hideki Hayashi (Uji Takeda Hospital, Department of Cardiovascular Medicine, Uji)

Chairperson : Kenichi Hashimoto (Department of General Medicine, National Defense Medical College, Tokorozawa)

PE12-1	Predicting Model for Brain Natriuretic Peptide Using 12 Lead-electrocardiogram Parameters	3833
	Emi Fujii (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)	
PE12-2	Improvement in the P Wave Abnormalities by Sinus Rhythm Maintenance after Catheter Ablation for Atrial Fibrillation	3834
	Daisuke Wakatsuki (Division of Cardiology, Department of Internal Medicine, Showa University Fujigaoka Hospital, Yokohama)	
PE12-3	The Relationship between Directly Measured Left and Right Atrial Pressures and the P Wave Indices	3834
	Daisuke Wakatsuki (Division of Cardiology, Department of Internal Medicine, Showa University Fujigaoka Hospital, Yokohama)	
PE12-4	Frequent Right Ventricular Pacing is Associated with Endothelial Dysfunction and Clinical Outcome: Analysis in Bradycardia Patients	3835
	Hirochika Yamasaki (Nankai Medical Center, Saiki)	
PE12-5	Utility of A New Central Monitor and the Analysis of ECG Monitoring in General Ward Using CNS-DSC Cooperation	3835
	Shingo Maeda (Arrhythmia Advanced Therapy Center, AOI Universal Hospital, Kawasaki)	
PE12-6	The Limitation of Impedance Cardiography for Hemodynamic Evaluation in Patients with Mitral Valve Regurgitation after Receiving Cardiac Resynchronization Therapy	3836
	Kojiro Ogawa (Department of Cardiology, Hitachi General Hospital, Hitachi Ltd., Hitachi)	
PE12-7	Inferior Early Repolarization of Higher J-point Level Associates More Widely-Spread Spatial Distribution of ST-segment Elevation Assessed by Synthesized 18-Lead ECG	3836
	Akihito Ideishi (Department of Cardiology, Fukuoka University School of Medicine, Fukuoka)	
PE12-8	Differences in Electrocardiographic Configuration between Dialysis and Non-dialysis Patients with Chronic Kidney Disease: Cross Sectional Studies about Prevalence and Incidence	3837
	A'yun Maya Q. (Faculty of Medicine, Universitas Airlangga, Indonesia)	

Poster Session 13

Electrocardiogram 2

9:00-17:00

Chairperson : Miyako Igarashi (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

Chairperson : Kenji Ueshima (Center for Accessing Early Promising Treatment (ACCEPT), Kyoto University Hospital, Kyoto)

- PE13-1 The Amplitude of Negative QRS Deflections in Lead III is a Novel Predictor of Tachyarrhythmias Originating from the Parahisian Region 3838
Minoru Nodera (Department of Cardiovascular Medicine, Faculty of Medical Sciences, University of Fukui, Fukui)
- PE13-2 Fragmented QRS on Synthesized 18-lead Electrocardiography in Implantable Cardioverter-Defibrillator can Predict Appropriate ICD Therapies 3839
Yuki Osaka (Department of Cardiology, Ome Municipal General Hospital, Tokyo)
- PE13-3 Decreasing of Fragmented QRS is a Marker of Responder in Cardiac Resynchronization Therapy 3839
Yuki Osaka (Department of Cardiology, Ome Municipal General Hospital, Tokyo)
- PE13-4 Brugada-like Electrocardiographic Pattern in Patients with Pectus Excavatum 3840
Yumi Ishii (Department of Cardiology and Clinical Examination, Oita University Faculty of Medicine, Yufu)
- PE13-5 Short Coupled Atrial Ectopies in Holter Predict the Late Recurrence of Atrial Fibrillation after Cryoballoon Ablation 3840
Kei Okabe (Department of Cardiology, Komaki City Hospital, Komaki)
- PE13-6 High Atrial Ectopic Burden in Holter Predict the Recurrence after Pulmonary Vein Isolation for Persistent Atrial Fibrillation 3841
Hajime Imai (Department of Cardiology, Komaki City Hospital, Komaki)
- PE13-7 Short Coupled with High Burden of Atrial Ectopy in Holter Recording Predict Late Recurrence of Atrial Fibrillation after Ablation 3841
Takashi Okajima (Department of Cardiology, Komaki City Hospital, Komaki)
- PE13-8 Correlation of QT Intervals and Heart Rate Variability in Diabetic Patients: Possible Evidence for Autonomic Regulation of QT Intervals 3842
Toru Maruyama (Department of Hematology, Oncology and Cardiovascular Medicine, Kyushu University, Fukuoka)

Poster Session 14

Regeneration (Basic, Clinical)

9:00-17:00

Chairperson : Masayuki Takamura (Department of Cardiovascular Medicine, Kanazawa University, Kanazawa)
Chairperson : Masahide Kawatou (Department of Cardiovascular Surgery, Kyoto University Graduate School of Medicine, Kyoto)

- PE14-1 Achievement of Efficient iPS-cell Derived Cardiomyocyte Engraftment by Activating Cell Cycle with the Brand-new Compound 3843
Manabu Kasamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- PE14-2 Profiling HAND1 and HAND2 Expressions during Cardiogenesis Using hiPSCs 3844
Chikako Okubo (CiRA, Kyoto University, Kyoto)
- PE14-3 The Novel Strategy for Fabricating Aligned Human iPS Cell-derived Cardiac Tissue Model for Disease Research and Drug Development 3844
Takuma Takada (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- PE14-4 Pulmonary Pressure Overload Stimulates Stem-Cell Derived- Endogenous Cardiomyocyte Regeneration in Right Ventricle 3845
Masato Kanda (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)
- PE14-5 Transplantation of Adipose-Derived Stromal Cells with Self-Assembling Peptide Scaffolds into the Pericardial Space Prevents Cardiac Remodeling after Myocardial Infarction 3845
Naomichi Kondo (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)

Poster Session 15

AF Balloon Ablation/Cryo 1

9:00-17:00

Chairperson : Satoru Sakagami (National Hospital Organization Kanazawa Medical Center Cardiovascular Medicine, Kanazawa)
Chairperson : Yasuhiro Yokoyama (St. Luke's International Hospital, Tokyo)

- PE15-1 What is the Optimal Balloon Based Ablation for Pulmonary Vein Isolation. Insights from the Post Voltage Map Analysis 3846
Masayuki Hattori (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Ibaraki)

PE15-2	Clinical Outcomes of Novel Extensive Ablation Strategy Including Cryoballoon Ablation for Non-Paroxysmal Atrial Fibrillation	3847
	Takeshi Sasaki (Heart Rhythm Center, National Hospital Organization Disaster Medical Center, Tokyo)	
PE15-3	The Proximity of the Esophagus to Pulmonary Veins Predicts Esophageal Injury after Cryo- and Hot-Balloon Ablation	3847
	Satoshi Shimoo (Department of Cardiology, University of Tsukuba Hospital, Tsukuba)	
PE15-4	Withdrawn	3848
PE15-5	Hemispherical Occlusion and Lower Freezing Temperature are Risk Factors of Pulmonary Vein Stenosis after Cryoballoon Ablation	3848
	Kenichi Tokutake (Department of Cardiology, The Jikei University School of Medicine, Tokyo)	
PE15-6	Prevalence of Asymptomatic Gastric Hypomotility after Cryoballoon Ablation on the Left Atrial Roof	3849
	Takatoshi Shigeta (Department of Cardiology, Japan Red Cross Yokohama City Bay Hospital, Yokohama)	
PE15-7	Clinical Implication and Electrophysiological Findings in Patients with Recurrence within Blanking Period after Cryoballoon Ablation for Paroxysmal Atrial Fibrillation	3849
	Yasuki Koyano (Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo)	
PE15-8	X3 Study: Performance of A Novel Generation Visually-guided Laser Balloon Catheter for Pulmonary Vein Isolation	3850
	Jan Petru (Na Homolce Hospital, Prague, Czech Republic)	

Poster Session 16

AF Balloon Ablation/Cryo 2

9:00-17:00

Chairperson : Takanori Yamaguchi (Department of Cardiovascular Medicine, Saga University, Saga)

PE16-1	Rapid Right Ventricular Pacing during Cryoballoon Ablation is Powerful and Useful Option for Left Atrial Antrum and Carina Ablation	3851
	Hideshi Aoyagi (Department of Cardiology, St. Luke's International Hospital, Tokyo)	
PE16-2	Extra Cryoablation on the Residual Pulmonary Vein Connections Detected by High-Resolution Mapping	3852
	Keita Miki (Department of Cardiology, International University of Health and Welfare, Nasushiobara)	
PE16-3	Clinical Investigation of the Durability of the Lesions after Cryoballoon-guided Left Atrial Posterior Wall Isolation	3852
	Takatoshi Shigeta (Department of Cardiology, Japan Red Cross Yokohama City Bay Hospital, Yokohama)	
PE16-4	Efficacy of Confirming Dormant Conduction by Adenosine Triphosphate Administration in Insufficient Cryoballoon Application for Atrial Fibrillation	3853
	Tomomi Ueda (Department of Cardiology, Yokohama Rosai Hospital, Yokohama)	
PE16-5	A Comparison of Outcomes with or without Ring Catheter in Cryoballoon Ablation for Paroxysmal Atrial Fibrillation	3853
	Takashi Nishimoto (Department of Cardiology, Shonan Kamakura General Hospital, Kamakura)	
PE16-6	Influence of Ablation by Cryoballoon on Myocardial Sleeve of SVC and Spatial Relationship of Its Influence	3854
	Tomihisa Nanao (Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo)	
PE16-7	Evaluation of Predictive Scores for Late and Very Late Recurrence after Cryoballoon Based Ablation of Atrial Fibrillation	3855
	Makoto Sano (Department of Cardiology, Internal Medicine 3, Hamamatsu University School of Medicine, Hamamatsu)	
PE16-8	Time to Isolation (TTI) Predicts Late Pulmonary Vein (PV) Reconnection after Cryoballoon PV Isolation	3855
	Yuuki Kawano (Division of Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka)	

Poster Session 17

Cardiac Function (Basic/Clinical)

9:00-17:00

Chairperson : Takahiro Ohara (Division of Community Medicine, Tohoku Medical and Pharmaceutical University, Sendai)

Chairperson : Toshiyuki Noda (Gifu Prefectural General Medical Center, Gifu)

PE17-1	Withdrawn	3856
PE17-2	Mechanistic Insights to Cardiac Protective Effect of Umbelliferone in Doxorubicin-induced Cardiac Toxicity: Possible Mechanism of Action	3857
	Vikas Kumar (Sam Higginbottom University of Agriculture, Technology & Sciences, Republic of India)	
PE17-3	Remove the Heart from the Chest without Thoracotomy: A Novel Model for Appraising the Pericardium Function	3857
	Can Zheng (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)	
PE17-4	Identification of Active Compound from Indonesia Traditional Medicine for Heart Failure Prevention	3858
	Nurmila Sari (University of Shizuoka, Shizuoka)	
PE17-5	The Correlation of Heart Rate Recovery (HRR) with Changes in Blood Lactate Level	3858
	Afifah Nur Kartikasari (National University Heart Center Singapore, Republic of Singapore)	
PE17-6	Splenic Volume Changes as a Hemodynamic Parameter in Advanced Heart Failure with Left Ventricular Assist Device	3859
	Hiroaki Hiraiwa (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)	
PE17-7	Impact of Total Heart Beats from Holter-ECG Monitoring on Cardiac Function in Healthy Individuals	3859
	Shingo Seki (Department of Cardiovascular Medicine, The Jikei University Katsushika Medical Center, Tokyo)	
PE17-8	Can We Detect the Patients with Cardiac Disease in Young Adults Who Have Borderline Ejection Fraction?: A Speckle Tracking Study	3860
	Yoshihisa Horizoe (Department of Cardiovascular Medicine, Kagoshima University, Kagoshima)	

Poster Session 18

Atherosclerosis (Diagnosis)

9:00-17:00

Chairperson : Fumiyoshi Tsunoda (Division of Cardiology, Internal Medicine, Showa University School of Medicine, Tokyo)
 Chairperson : Koh Ono (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

PE18-1	Achievement of LDL-C Target Less than 70mg/dl after Percutaneous Coronary Intervention was Associated with Favorable Long-term Outcomes in Japanese Population	3861
	Norihiro Takahashi (Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)	
PE18-2	Impact of Lesion Morphology on Diagnostic Performance of Quantitative Flow Ratio in Patients with Intermediate Coronary Stenosis	3862
	Kenji Miwa (Department of Cardiology, Ishikawa Prefectural Central Hospital, Kanazawa)	
PE18-3	Tumor Necrosis Factor (TNF) in Patients with Coronary Heart Disease (CHD)	3862
	Viktoriya Li (Tashkent Pediatric Medical Institute, Republic of Uzbekistan)	
PE18-4	Fasting and Nonfasting TG for the Prediction of Coronary Artery Disease	3863
	Junichi Shibayama (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)	
PE18-5	Risk Stratification for Coronary Artery Diseases in Patients Scheduled for Carotid Artery Revascularization	3863
	Meiko Hoshino (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)	
PE18-6	Non-atherosclerotic Etiology beyond Conventional Coronary Risks is More Prevalent in Young Women with Premature Coronary Artery Diseases than in Men	3864
	Jun Tanigawa (Department of Cardiology, Osaka Medical College, Osaka)	
PE18-7	Relationship between Inter-arm Blood Pressure Difference and Coronary Calcium Score	3864
	Yeongmin Woo (Gangneung Asan Hospital, Korea)	
PE18-8	A Comparative Study on the Alternative Ankle Brachial Index (ABI) Method versus the Traditional ABI Method among Screened Patients	3865
	Keith Andrew L. Chan (Chong Hua Hospital, Republic of the Philippines)	

Poster Session 19

Atherosclerosis (Basic)

9:00-17:00

Chairperson : Kikuo Isoda (Juntendo Graduate School of Medicine, Cardiovascular Medicine, Tokyo)
 Chairperson : Hiroyuki Yamada (Cardiovascular Medicine, Kyoto Pref. Univ. of Medicine, Kyoto)

PE19-1	Withdrawn	3866
PE19-2	The Phosphatase Activity of Soluble Epoxide Hydrolase Regulates ATP-binding Cassette Transporter-A1-dependent Cholesterol Efflux	3867
	Man-Chen Hsu (Graduate Institute and Department of Physiology, College of Medicine, National Taiwan University, Taiwan)	
PE19-3	ApoA-II Inhibits the Formation of Atherosclerosis by Regulating AMPK-Pdlim5-Vasp Signaling Pathway	3867
	Yi Yan (Department of Cardiology, The Third Affiliate Hospital of Guangzhou Medical University, China)	
PE19-4	The Detrimental Effect of Asymmetric Dimethylarginine on Cholesterol Efflux of Macrophage Foam Cells: Role of the NOX/ROS Signaling	3868
	Chia-Hui Chen (Department of Physiology, School of Medicine, National Yang-Ming University, Taiwan)	
PE19-5	Plant Growth Regulator KT-30 Accelerates Atherosclerosis in apoE Knockout Mice	3868
	Po-An Hu (National Taiwan University, College of Medicine, Taiwan)	
PE19-6	Radiation Impacts The Earliest Stage of Atherosclerosis through Suppression of LDL Accumulation in The Intima	3869
	Jiro Ikeda (Laboratory Medicine and Pathobiology, University of Toronto, Toronto General Research Institute, Canada)	
PE19-7	Review of Omentin-1 in Coronary Artery Disease	3869
	Benedictus H. Suwandi (Faculty of Medicine, Airlangga University, Indonesia)	
PE19-8	Withdrawn	3870

Poster Session 20

Hypertension (Pathophysiology) 1

9:00-17:00

Chairperson : Hirofumi Tomiyama (Department of Cardiology, Tokyo Medical University, Tokyo)

Chairperson : Akiko Goda (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)

PE20-1	Effective Reflection Distance (ERD) and Its Association with Pressure Augmentation Index (AIx) under a Variety of Acute Hemodynamic Perturbation	3871
	Kazunori Uemura (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)	
PE20-2	How Much Does Body Mass Index Affect Hypertension?	3872
	Masanari Kuwabara (Intensive Care Unit and Department of Cardiology, Toranomon Hospital, Tokyo)	
PE20-3	Bariatric Surgery is Associated with Reduced Risk of Hypertension-Related Acute Care Use in Obese Adults	3872
	Yuichi J. Shimada (Columbia University Medical Center, USA)	
PE20-4	3-dimensional Left Ventricular Mechanics are Deteriorated from the Early Stage of Hypertensive Patients Experiencing Morning Surge	3873
	Chan Seok Park (Catholic University of Korea, Korea)	
PE20-5	Impact of Renal Angioplasty on Left Ventricular Mass and Its Relationship to Outcome in Hypertensive Patients with Renal Artery Stenosis	3873
	Yoshio Iwashima (Department of Nephrology and Hypertension, Dokkyo Medical University, Mibu)	
PE20-6	Withdrawn	3874
PE20-7	Gender-Specific Association between the Blood Pressure Category According to the Updated ACC/AHA Guidelines for Hypertension and Cardio-Ankle Vascular Index	3874
	Tatsuya Kamon (The Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)	
PE20-8	Withdrawn	3875

Poster Session 21

CT/MRI 1

9:00-17:00

Chairperson : Masao Moroi (Division of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo)

Chairperson : Makoto Sekiguchi (Fukaya Red Cross Hospital Cardiology Division, Fukaya)

PE21-1	Prevalence of Obstructive Coronary Artery Disease in Patients Undergoing Coronary CT -Analysis by Calcium Score and Suita Score-	3876
	Takeyoshi Kameyama (Division of Cardiovascular Medicine, Tohoku Medical and Pharmaceutical University, Sendai)	
PE21-2	High-intensity Plaques on Noncontrast T1-weighted Cardiac Magnetic Resonance and Its Association with Computed Tomography Plaque Characteristics	3877
	Moeko Suzuki (Department of Cardiology, Ehime Prefectural Imabari Hospital, Imabari)	
PE21-3	Epicardial Adipose Tissue is Associated with Atrial Fibrillation in Patients with High Coronary Artery Calcium Score	3877
	Sayuri Tokioka (Cardiovascular Imaging Clinic Iidabashi, Tokyo)	
PE21-4	Utility of Detection of Significant Coronary Artery Stenosis Using Combination of New Generation 320 Slices Computed Tomography with Iterative Reconstruction	3878
	Manami Takahashi (Department of Cardiology, Chiba University Hospital, Chiba)	
PE21-5	Increased Numbers of Inflamed Coronary Arteries were Associated with Progression of Left Ventricular Mass	3878
	Toru Misawa (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)	
PE21-6	Clinical Impact of Coronary Calcium Score for Predicting Cardiovascular Events in Patients after Percutaneous Coronary Intervention	3879
	Masae Uehara (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)	
PE21-7	Withdrawn	3879
PE21-8	Determinants of Pericoronary Adipose Tissue Attenuation on Computed Tomography Angiography in Coronary Artery Disease	3880
	Tomoyo Sugiyama (Department of Cardiovascular Medicine, Tsuchiura Kyodo General Hospital, Tsuchiura)	

Poster Session 22

TAVI 1

9:00-17:00

Chairperson : Natsuhiko Ehara (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
 Chairperson : Hiroki Ikenaga (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)

PE22-1	Impact of Osteogenic/Osteoclastogenic Activities on the Aortic Stenosis in Patients with Hip Bone Fracture	3881
	Makoto Furugen (Miyazaki Medical Association Hospital, Miyazaki)	
PE22-2	Appetite Predicts Long-term Outcomes in Patients Undergoing Trans-femoral Transcatheter Aortic Valve Implantation	3882
	Yousuke Taniguchi (Division of Cardiovascular Medicine, Saitama Medical Center, Jichi Medical University, Saitama)	
PE22-3	The Nutrition Screening and Assessment as Predictor of Prognosis in Patients Undergoing Transcatheter Aortic Valve Implantation	3883
	Shunichi Doi (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)	
PE22-4	Clinical Outcomes of Transcatheter Aortic Valve Implantation with Local Anesthesia and Its Correlation with Patient Activities of Daily Living	3883
	Akihiro Ikuta (Department of Cardiology, Kurashiki Central Hospital, Okayama)	
PE22-5	Withdrawn	3884
PE22-6	Sex-related Differences in Cardiac Remodeling in Severe Aortic Stenosis and Reverse Remodeling after TAVI in the Japanese Population	3884
	Ryo Ninomiya (Department of Cardiology, Iwate Medical University Hospital, Yahaba)	
PE22-7	Early Intervention of Transcatheter Aortic Valve Implantation after Heart Failure Improves a Prognosis in Patients with Severe Aortic Valve Stenosis	3885
	Hiroki Tanisawa (Showa University, Japan)	
PE22-8	Left Ventricular Hypertrophy as Prognostic Indicator in Patients with Low-gradient Severe Aortic Stenosis with Normal Ejection Fraction	3885
	Yu Kawada (Department of Cardiology, Nagoya City University, Nagoya)	

Poster Session 23

TAVI 2

9:00-17:00

Chairperson : Hiroshi Tsutsui (Suwa Red Cross Hospital, Cardiovascular Medicine, Suwa)
 Chairperson : Mitsugu Hirokami (Cardiovascular Center Teine-Keijinkai Hospital, Sapporo)

- PE23-1 Prognostic Value of Diastolic Flow Reversal on Clinical Outcomes after TAVR: An Intraprocedural Transesophageal Echocardiography Study 3886
 Masashi Ota (Department of Cardiology, Showa University School of Medicine, Tokyo)
- PE23-2 Comparison of Bioprosthesis Valve Expansion between the Inflation Volume after Transcatheter Aortic Valve Implantation (TAVI) 3887
 Nobuyuki Takahashi (Department of Cardiology, Himeji Cardiovascular Center, Himeji)
- PE23-3 Withdrawn 3887
- PE23-4 Preoperative LAVI is a Useful Prognostic Marker in Patients with AS after Undergoing TAVR: A Multi-center Analysis 3888
 Takayuki Sugai (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- PE23-5 Pulse Wave Assessment of PASESA® Indicate the Change of Severity in Aortic Stenosis before and after Transcatheter Aortic Valve Replacement 3888
 Yuichiro Toma (Department of Cardiovascular Medicine, Nephrology, and Neurology, Faculty of Medicine, University of the Ryukyus, Nishihara)
- PE23-6 The Aortic Valve Calcification Volume Index (ACV Index) is Novel Finding in Patient with Aortic Valve Stenosis 3889
 Kuniomi Oi (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima)
- PE23-7 Transcatheter Aortic Valve Implantation in Patients with Amyloidosis 3889
 Yuuki Muto (Department of Cardiology, Fukushima Medical University, Fukushima)
- PE23-8 The Long-term Prognosis of Patients with Active Cancer Undergoing Transcatheter Aortic Valve Implantation 3890
 Yoshimasa Kojima (Department of Cardiology, Sakakibara Heart Institute, Fuchu)

Poster Session 24

ACS (Pathophysiology) 2

9:00-17:00

Chairperson : Shin Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Chairperson : Toshihiko Nishioka (Department of Cardiology, Saitama Medical Center, Saitama Medical University, Saitama)

- PE24-1 Impact of Severe Sleep-disordered Breathing and Cheyne-Stokes Respiration on Left Ventricular Dysfunction in Patients with ST-Segment Elevation Myocardial Infarction 3891
 Jin Kirigaya (Yokohama City University Medical Center, Yokohama)
- PE24-2 Impact of Daytime Onset on Mortality in Acute Myocardial Infarction with Out-of-hospital Cardiac Arrest: A Registry Study from K-ACTIVE 3892
 Toshiharu Fujii (Department of Cardiology, Tokai University School of Medicine, Isehara)
- PE24-3 Impact of Number of Q-waves as a Predictor of No-reflow after Coronary Angioplasty in Patients with First Acute Myocardial Infarction 3892
 Masato Uchida (Department of Cardiovascular Medicine, Nagasaki Harbor Medical Center, Nagasaki)
- PE24-4 Gender Difference of Heart Failure Event after Acute Myocardial Infarction 3893
 Takeyuki Kubota (Division of Cardiology, The Jikei University Kashiwa Hospital, Kashiwa)
- PE24-5 Impact of Arterial Stiffness Assessed by Cardio-ankle Vascular Index on Long-term Outcome in Patients with Acute Coronary Syndrome 3893
 Jin Kirigaya (Yokohama City University Medical Center, Yokohama)
- PE24-6 Relationship of Cancer and In-hospital Cardiac Death in Patients with Acute Coronary Syndrome Undergoing Primary Percutaneous Coronary Intervention 3894
 Tadamoto Fukushima (Department of Cardiovascular Medicine, Nagasaki Harbor Medical Center, Nagasaki)
- PE24-7 Comparison of Morphology of Culprit Plaque in Acute Myocardial Infarction Patients between Very Late Stent Thrombosis and De Novo Lesions 3894
 Yohei Hyodo (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima)

PE24-8	Withdrawn	3895
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Poster Session 25

Intravascular Imagings 1

9:00-17:00

Chairperson : Mitsuyasu Terashima (Toyohashi Heart Center, Toyohashi)

PE25-1	Stent-edge Vascular Response after New-generation Drug-eluting Stents Implantation: Serial Observation Study by Optical Coherence Tomography	3896
	Shigeki Kimura (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)	
PE25-2	An Examination of the Clinical Utility of Newly Developed Optical Coherence Tomography-Derived Volumetric Analysis Method for Stent Expansion	3897
	Masahiro Uehara (Ishikawa Prefectural Central Hospital, Kanazawa)	
PE25-3	Irregular Protrusion is Correlated with Intermediate-Term Development of Neoatherosclerosis after 2nd and 3rd Generation Drug-eluting Stent Implantation	3898
	Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)	
PE25-4	Withdrawn	3898
PE25-5	Greater Coronary Lipid Core Plaque Assessed by Near-Infrared Spectroscopy Intravascular Ultrasound in Patients with Elevated Xanthine Oxidoreductase: A Mechanistic Insight	3899
	Naoto Mori (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)	
PE25-6	Potential Mechanism of Early In-stent Restenosis of Drug-eluting Stent after Rotational Atherectomy: A Serial Intravascular Ultrasound Study	3899
	Shun Morishita (Department of Medicine 2, Kansai Medical University, Osaka)	
PE25-7	Five-year Major Adverse Cardiac and Cerebrovascular Events in Patients with Lipid Core Abutting Lumen on IB-IVUS in Target Lesions	3900
	Masaya Ohta (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)	
PE25-8	Impact of Lipid Rich Plaques in a Non-culprit Left Main Coronary Artery on Long-term Clinical Outcomes	3900
	Hiroshi Tashiro (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)	

Poster Session 26

Prevention 1

9:00-17:00

Chairperson : Yasuaki Nakagawa (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Chairperson : Hiroyuki Kunii (Fukushima Medical University, Cardiovascular Medicine, Fukushima)

PE26-1	Influence of Ageing on Arterial Stiffness and Myocardial Strain	3901
	Angela Koh (National Heart Centre Singapore, Republic of Singapore)	
PE26-2	Associations between Daily Alcohol Intake and Three-year Decrease in Glomerular Filtration Rate	3902
	Yu Sato (Department of Internal Medicine, Fukushima Prefectural Miyashita Hospital, Onuma-gun)	
PE26-3	FIB-4 Index is Significantly Associated with Prevalent Cardiovascular Diseases in a Working Age Population with Fatty Liver	3902
	Kengo Maeda (Kokusai Central Clinic, Nagoya)	
PE26-4	Three Percent Weight Gain Increases Cardiovascular Disease Risk Factor Parameters in Young Adults	3903
	Hitoko Ogata (Health Care Department, Hokkaido Ohno Memorial Hospital, Sapporo)	
PE26-5	Withdrawn	3903
PE26-6	Different Relationship between Serum Albumin and Coronary Revascularization in Patients with Age under or over 75 Years	3904
	Hiroko Oshio (The Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)	
PE26-7	Prevalence of Sarcopenia and Its Subtypes in General Population and Cardiovascular Disease Patients	3904
	Kenichiro Sasaki (Division of Cardiovascular Medicine, Department of Internal Medicine, Kurume University School of Medicine, Kurume)	

- PE26-8 Prognosis in Patients with 2500 Patients with Spasm Provocation Testing 3905
Shozo Sueda (Department of Cardiology, Ehime Prefectural Niihama Hospital, Niihama)

Poster Session 27

Prevention 2 9:00-17:00

Chairperson : Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Mitsutoshi Oguri (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)

- PE27-1 Which Factor Predicts Major Adverse Cardiovascular Events in Health Check-up Participants? 3906
Hiroyuki Takase (Department of Internal Medicine, Enshu Hospital, Hamamatsu)
- PE27-2 Withdrawn 3907
- PE27-3 Family History of Coronary Artery Disease in Patients with Vasospastic Angina: What Does It Mean Clinically? 3907
Hiroki Teragawa (Department of Cardiovascular Medicine, JR Hiroshima Hospital, Hiroshima)
- PE27-4 The Atherosclerotic Risk Factors Associated with the Transformation of Carotid Plaque over Time 3908
Satoko Ojima (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)
- PE27-5 Preferences for Participation in Shared Decision-Making among Hospitalized Heart Failure Patients: Ideality vs. Reality 3908
Otoya Sekine (Department of Cardiology, Keio University School of Medicine, Tokyo)
- PE27-6 Mortality would not Differ among Different Ischemic Heart Disease Subsets in Chronic Phase: Report from Shinken Database 3909
Mikio Kishi (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- PE27-7 Effective Utilization of Publically-Accessible Diagnosis Procedure Combination (DPC) Database for Research on Cardiovascular Diseases 3909
Katsuki Okada (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- PE27-8 Prevalence and Associated Behavioral Risk Factors of above Normal Blood Pressure among College Students 3910
Alexander D. Reyes (University of Santo Tomas Hospital, Republic of the Philippines)

Poster Session 28

Metabolic Syndrome 9:00-17:00

Chairperson : Tetsuro Matsuoka (Department of Cardiology, Hyogo Prefectural Nishinomiya Hospital, Nishinomiya)
Chairperson : Toshio Nishikimi (Wakakusa Tatsuma Rehabilitation Hospital, Daito)

- PE28-1 Polyphenol Inhibits Capillary Rarefaction in Brown Adipose Tissue and Contributes for Maintaining Systemic Metabolic Health in Obesity 3911
Ryo Furuuchi (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- PE28-2 Critical Role of Complement Factor D in the Development of High-fat Diet-induced Fatty Liver 3912
Hiromi Tsuru (Department of Life Science and Bioethics, Graduate School of Medicine, Tokyo Medical and Dental University, Tokyo)
- PE28-3 Effects Body Mass Index on Mortality and Morbidity in Dialysis-independent Chronic Kidney Disease Patients 3912
Katsunori Fukumoto (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- PE28-4 Nardilysin in Adipocyte Regulates Adipose Tissue Inflammation and Insulin Sensitivity 3913
Shintaro Matsuda (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- PE28-5 Impact of Zero Coronary Artery Calcium Score on Favorable Prognosis in Nonalcoholic Fatty Liver Disease Patients 3913
Keishi Ichikawa (Department of Cardiovascular Medicine, Okayama University, Okayama)
- PE28-6 Liraglutide Treatment Improves Myocardial Function in Rats with Metabolic Syndrome 3914
Vijayakumar Sukumaran (Dept of Pharmacology, College of Medicine, Qatar University, Qatar)

- PE28-7 Statin Alters the Gut Microbiome-bile Acid Axis, Preventing Atherosclerosis but Triggering Glucose Intolerance 3914
Jianqing She (Cardiovascular Department, First Affiliated Hospital of Xi'an Jiaotong University, China)
- PE28-8 Factors Influencing The Attitude of Obese Filipino Patients That Affect Weight Loss Practices: A Q Methodology 3915
Jason Santos (University of Santo Tomas Hospital, Republic of the Philippines)

Poster Session 29

CT/MRI 3

9:00-17:00

Chairperson : Yasushi Akutsu (Division of Cardiology, Clinical Research Institute for Clinical Pharmacology & Therapeutics, Showa University School of Medicine, Tokyo)
Chairperson : Takeshi Sasaki (National Hospital Organization Disaster Medical Center, Tachikawa)

- PE29-1 Comparison of Utility of Deep Learning of Coronary Computed Tomography Data for Detection of Functionally Significant Stenosis: Two Center Analysis 3916
Manami Takahashi (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)
- PE29-2 4D Flow MRI Assessment of Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy and Surgical Valve Replacement for Aortic Valve Stenosis 3917
Rie Aoyama (Department of Cardiovascular Medicine, Tokyo Metropolitan Geriatric Hospital, Tokyo)
- PE29-3 Usefulness of Non-contrast-enhanced Angiography Imaging for Congenital Heart Disease by SSFP Radial Scan 3918
Akio Inage (Division of Pediatric Cardiology, Sakakibara Heart Institute, Tokyo)
- PE29-4 Native T1, T2 and T2 Star Mapping in Patients with Dilated Cardiomyopathy: Comparison with Late Gadolinium Enhancement 3918
Tomohiko Watanabe (Department of Cardiology, Osaka Medical College, Takatsuki)
- PE29-5 Diagnostic Impact of Hybrid SPECT/CT Coronary Angiography in Patients with Suspected Coronary Artery Disease 3919
Shoko Hachiya (Department of Cardiology, Tokyo Medical University, Tokyo)
- PE29-6 Impact of High Risk Plaque on Coronary Hemodynamics; Analysis by CT Derived Instantaneous Wave-free Ratio (CT-iFR) 3919
Kiyoe Ando (Departments of Cardiology, Tokyo Women Medical University, Tokyo)
- PE29-7 An Automatic Deep Learning Approach for Coronary Artery of High Calcium Score Segmentation in Coronary CT Angiography 3920
Youko Takakuwa (Cardiovascular Imaging Clinic CVIC Iidabashi, Tokyo)
- PE29-8 Left-sided Heart Disease and Morphology may Impact on Right Ventricular Contraction?: Preliminary Analysis Derived from Cardiac Magnetic Resonance Imaging 3920
Makito Sato (CVIC Corporation, Tokyo)

Poster Session 30

Valvular Heart Disease 1

9:00-17:00

Chairperson : Yasufumi Hayama (Chiba-Nishi General Hospital Cardiology, Matsudo)
Chairperson : Shinji Miyamoto (Department of Cardiovascular Surgery, Faculty of Medicine, Oita University, Yufu)

- PE30-1 Prognostic Value of Inhospital and Post-discharge Renal Dysfunction after Balloon Aortic Valvuloplasty 3921
Masamichi Iwasaki (Hyogo Prefectural Awaji Medical Center, Sumoto)
- PE30-2 Greater Nocturnal Blood Pressure is Associated with Mitral Annular Calcification in Patients with Severe Aortic Stenosis 3922
Soichiro Tamura (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- PE30-3 The Impact of Diabetes Mellitus on Conservatively Managed Patients with Severe Aortic Stenosis 3922
Xiaoyang Song (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- PE30-4 Combining Brachial Pulse Wave Upstroke Time Components and Electrocardiographic Hypertrophy is Strongly Associated with the Severity of Aortic Valve Stenosis 3923
Masao Takahashi (Department of Cardiovascular Medicine, Jichi Medical University, Shimotsuke)

PE30-5	Differences of Background and Outcomes According to Preoperative Aortic Valve Peak Velocity in Patients Undergoing Transcatheter Aortic Valve Implantation	3923
	Seita Yamasaki (Tenri Hospital, Tenri)	
PE30-6	Withdrawn	3924
PE30-7	Doppler Echocardiographic Assessment of Progression of Degenerative Mitral Stenosis	3924
	Takashi Hiruma (Department of Cardiology, Sakakibara Heart Institute, Fuchu)	
PE30-8	Atrioventricular Block Occurring after Transcatheter Aortic Valve Implantation	3925
	Kyounghee Lee (Department of Cardiology, Tokai University School of Medicine, Isehara)	

Poster Session 31

Valvular Heart Disease 2

9:00-17:00

Chairperson : Yoshihiro Himura (Tenri Hospital, Tenri)

PE31-1	Impact of Percutaneous Mitral Valve Repair in Patients with Atrial Functional Mitral Regurgitation	3926
	Jun Yoshida (Department of Cardiology, Jikei University School of Medicine, Tokyo)	
PE31-2	Assessment of Early Changes in Left Ventricular Function after Percutaneous Mitral Valve Repair Using Speckle Tracking Echocardiography	3927
	Mai Terada (Cardiovascular Medicine, Sakakibara Heart Institute, Tokyo)	
PE31-3	Mitral Annular Dilation is the Main Mechanism for Significant Mitral Regurgitation in Atrial Fibrillation with Preserved Left Ventricular Ejection Fraction	3927
	Shohei Kikuchi (Department of Cardiology, Nagoya City University Graduate School of Medical Sciences, Nagoya)	
PE31-4	Accuracy of Transesophageal Echocardiography for the Detection of Prolapsed Mitral Leaflets in Patients Undergoing Mitral Valvuloplasty	3928
	Meiko Hoshino (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)	
PE31-5	Short Term Result of Transcatheter Mitral Valve Repair through Single-center Experience	3928
	Yasuyo Takeuchi (Department of Cardiology, Shizuoka General Hospital, Shizuoka)	
PE31-6	Comparison of Echocardiographic Parameters of Degenerative and Rheumatic Mitral Valve Stenosis	3929
	Ryo Horita (Sakakibara Heart Institute, Department of Cardiology, Fuchu)	
PE31-7	The Efficacy of MitraClip Treatment and Preoperative Predictor of Postoperative Hospitalization for Heart Failure	3929
	Hiroshi Tsunamoto (Department of Cardiology, Hyogo Brain and Heart Center, Himeji)	
PE31-8	Transcatheter Mitral Valve Repair Using MitraClip for the Patients with Failed Surgical Repair	3930
	Yoshifumi Nakajima (Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Iwate)	

Poster Session 32

CIED 1

9:00-17:00

Chairperson : Yoshihisa Abe (Akita City Hospital, Akita)

Chairperson : Kozue Ikeda (Shinoda General Hospital, Department of Cardiology, Yamagata)

PE32-1	Leadless Pacemaker Implantation for Complete Atrioventricular Block and the Effect of Transcatheter Aortic Valve Replacement	3931
	Ryo Tateishi (Yokohama Minami Kyosai Hospital, Yokohama)	
PE32-2	Difference of Leadless Pacemaker Parameters between Septal Implantation and Non-Septal Implantation	3932
	Hirofumi Arai (Department of Cardiology, Kameda Medical Center, Kamogawa)	
PE32-3	Withdrawn	3932
PE32-4	Safety and Feasibility of the Leadless Pacemaker Implantation in Patients with Octogenarian: Comparison to Conventional Trans-venous Single Chamber Pacemaker	3933
	Yoshinari Enomoto (Division of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo)	
PE32-5	Nutritional Predictors of Long-term Mortality and Hospitalization Due to Heart Failure in Patients with Cardiac Implantable Electric Device Implantation	3933
	Yasuhiro Matsuda (Kansai Rosai Hospital Cardiovascular Center, Amagasaki)	

- PE32-6 Prevalence of Cardiac Dysfunction in Patients with Pacemaker Implantation 3934
 Subaru Tanabe (Department of Cardiology, Aichi Medical University Hospital, Nagoya)
- PE32-7 The Recovery of Sinus Node Dysfunction after Catheter Ablation in Patients with Persistent Atrial Fibrillation 3934
 Toshinori Chiba (Division of Cardiology, Kimitsu Chuo Hospital, Kisarazu)
- PE32-8 The Frailty Score Predicts Clinical Outcomes after Implanting Trans-venous Pacemaker in Patients over Aged 80 Years Old 3935
 Rina Ishii (Department of Cardiology, Toho University Medical Center Ohashi Hospital, Tokyo)

Poster Session 33

Atherosclerosis (Treatment)

9:00-17:00

Chairperson : Kanta Fujimi (Department of Cardiology, Fukuoka University Hospital, Fukuoka)

Chairperson : Masaki Tanabe (Department of Cardiology, Nozaki Tokushukai Hospital, Daito)

- PE33-1 Withdrawn 3936
- PE33-2 Impact of Statin Pretreatment without Systemic Inflammation and Myocardial Perfusion in Patients Undergoing Primary Angioplasty with Acute Myocardial Infarction 3937
 Masayoshi Takeno (Department of Cardiovascular Medicine, Nagasaki Harbor Medical Center, Nagasaki)
- PE33-3 Endovascular Sharp Recanalization for Calcified Femoropopliteal Artery Occlusion 3937
 Mohammad Moynul Islam (National Institute of Cardiovascular Diseases Hospital, Bangladesh)
- PE33-4 ARC-HBR could also Predict the BARC Bleeding Events in Patients Undergoing EVT for Iliac Artery Diseases 3938
 Shutaro Goda (Saiseikai Yokohamashi Tobu Hospital, Yokohama)
- PE33-5 Achilles Tendon Thickening is Associated with Higher Incidence of Adverse Cardiac Event in Patients with Coronary Artery Disease 3938
 Takuya Hashimoto (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagami-hara)
- PE33-6 Risk Factors for Occlusion after Endovascular Treatment to Open-vessel Lesions in Iliac and Femoral Regions 3939
 Minami Taki (Shinshu Ueda Medical Center, Ueda)
- PE33-7 The Impact of Multidisciplinary Treatment for Patients with Critical Limb Ischemia 3939
 Naohiko Nemoto (Cardiovascular Center, SUBARU Health Insurance Society Ota Memorial Hospital, Ota)
- PE33-8 Color Mapped Coronary CT Angiography (CCTA) Clearly Demonstrated the Regression and Stabilization of Vulnerable Coronary Plaques Treated by Anti-PCSK9 Antibody 3940
 Norifumi Kamiya (Sunagawa Medical Clinic, Uruma)

Poster Session 34

Coronary Circulation 2

9:00-17:00

Chairperson : Shozo Sueda (Ehime Prefectural Niihama Hospital, Niihama)

- PE34-1 Impact of Signal Attenuation and Cholesterol Crystal as Detected by Optical Coherence Tomography on No-reflow Phenomenon in Percutaneous Coronary Intervention 3941
 Nobuaki Suzuki (Division of Cardiology, Teikyo University Mizonokuchi Hospital, Kawasaki)
- PE34-2 The Difference of Various Predictors between Instantaneous Wave-free Ratio and Fractional Flow Reserve 3942
 Yasunori Inoue (Department of Cardiology, Jikei University School of Medicine, Tokyo)
- PE34-3 Efficacy of Nicorandil for Reducing the Procedure Time in Physiological Assessment for Coronary Disease 3942
 Takeru Kasahara (Japanese Red Cross Kyoto Daini Hospital, Kyoto)
- PE34-4 What are Predictors of Fractional Flow Reserve/Resting Full-cycle Ratio Discordance? 3943
 Hiroaki Nohara (Department of Cardiology, Osaka Rosai Hospital, Osaka)
- PE34-5 Predictors of Visual-Functional Mismatch between Quantitative Coronary Angiography and Diastolic Pressure Ratio during Wave-Free Period 3943
 Shun Nakamura (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

- PE34-6 Effect of Beta Blockers on Long-term Outcomes in Survivors of Acute Myocardial Infarction with Coronary Artery Spasm 3944
Juntaro Deyama (University of Yamanashi, Chuo)
- PE34-7 One-Year Clinical Outcomes According to Fractional Flow Reserve Measurement: From Real-World Japanese Single Center Registry 3945
Umihiko Kaneko (Division of Cardiology, Sapporo Heart Center, Sapporo Cardio Vascular Clinic, Sapporo)
- PE34-8 Influence of Caffeine Intake on Intravenous Adenosine Induced Fractional Flow Reserve Measurement 3945
Kasumi Ishibuchi (Department of Cardiology, Higashi Takarazuka Satoh Hospital, Takarazuka)

Poster Session 35

AF (Others)

9:00-17:00

Chairperson : Yuji Kasamaki (Department of Community Medicine, Kanazawa Medical University, Kanazawa)
Chairperson : Tadakatsu Yamada (Ehime Prefectural Central Hospital Cardiovascular Medicine, Matsuyama)

- PE35-1 Relationship between Rotors and Low-voltage Areas after Pulmonary Vein Isolation in Non-paroxysmal Atrial Fibrillation Using a Bi-directional High-density Mapping Catheter 3946
Koji Kumagai (Department of Cardiovascular Medicine, Tohoku Medical and Pharmaceutical University, Sendai)
- PE35-2 Association of Left Atrial Voltage and Atrio-Pulmonary Vein Connection in Patients of Atrial Fibrillation 3947
Noboru Ichihara (Department of Cardiology, Tsukuba University of Medicine, Tsukuba)
- PE35-3 Outcome of Catheter Ablation for Atrial Fibrillation in Adults with Atrial Septal Defect 3947
Suguru Nishiuchi (Department of Cardiology, Tenri Hospital, Tenri)
- PE35-4 Bisoprolol Transdermal Patch Treatment for Patients with Atrial Fibrillation after Noncardiac Surgery 3948
Taku Yasui (Department of Onco-Cardiology, Osaka International Cancer Institute, Osaka)
- PE35-5 Characteristics of Patients with Atrial Fibrillation Detected via a Health Screening 3948
Terumasa Yamashita (Department of Cardiology, Keio University School of Medicine, Tokyo)
- PE35-6 Radiofrequency Ablation of the Ganglion Plexus of the Atria in Vasovagal Syncope 3949
A.O. Khalikova (Tashkent Medical Academy, Uzbekistan)
- PE35-7 Effectiveness of Soluble ST2 Study on the Progression and Therapeutic Effects of Atrial Fibrillation 3950
Hong-Ju Kim (Yeungnam University Medical Center, Korea)
- PE35-8 Withdrawn 3950

Poster Session 36

Cardiac Arrest/Resuscitation

9:00-17:00

Chairperson : TBA (TBA)
Chairperson : Hiroshi Takahashi (Seitetsu Memorial Muroran Hospital, Division of Cardiology, Muroran)

- PE36-1 Coronary Artery Calcification on Computed Tomography in Emergency Department Predicts Mortality at 30-days in Patients with Out-of-Hospital Cardiac Arrest 3951
Shunichi Kato (Department of Cardiology, Japanese Redcross Saitama Hospital, Saitama)
- PE36-2 Withdrawn 3952
- PE36-3 A Sign of ST-segment Elevation Predicts Type 1 Myocardial Infarction in Patients Resuscitated from Cardiac Arrest 3952
Nozomi Kotoku (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)
- PE36-4 Withdrawn 3953
- PE36-5 Exercise-related Out-of-hospital Cardiac Arrest: Causes and Prognosis - Data from Tokyo CCU Network 3953
Norihiro Kuroki (Tokyo CCU Network, Tokyo/Department of Cardiology, Tokyo Metropolitan Bokutoh Hospital, Tokyo)

- PE36-6 Association of Ventricular Arrhythmias during Sub-acute Phase with Late Phase in Patients with Left Ventricular Dysfunction after Acute Myocardial Infarction 3954
Kan Saito (Chiba University Graduate School of Medicine, Department of Cardiovascular Medicine, Chiba)
- PE36-7 Withdrawn 3954
- PE36-8 Validity of Implantable Cardioverter Defibrillator Therapy in Patients with Vasospastic Angina and Sudden Cardiac Arrest 3955
Kazuuya Tateishi (Department of Cardiology, Chiba University Hospital, Chiba)

Poster Session 37

Kidney 1

9:00-17:00

Chairperson : Yoshitaka Iwanaga (Kindai University Faculty of Medicine, Osaka)

Chairperson : Masashi Yoshida (Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama)

- PE37-1 Effects of Cardiac Rehabilitation on Renal Function after Acute Myocardial Infarction in the Aged Populations 3956
Yasuhiro Kaetsu (Department of Cardiology, Kakogawa Central City Hospital, Kakogawa)
- PE37-2 Correlation of Muscle Mass and Estimated Glomerular Filtration Rate Based on Creatinine and Cystatin C in Young Athletes 3957
Hisayo Yasuda (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medicine, Kagoshima University, Kagoshima)
- PE37-3 Long-Term Administration of Tolvaptan Ameliorates Annual Decline in Estimated Glomerular Filtration Rate (eGFR) in Outpatients with Chronic Heart Failure 3957
Kazuhiro Nakao (Department of Cardiovascular Medicine, Ishikiriseiki Hospital, Higashiosaka)
- PE37-4 Prognostic Impact of Patient with Peripheral Artery Disease Who Received Endovascular Treatment Complicated with Chronic Kidney Disease; From I-PAD Registry 3958
Yoshiteru Okina (Joetsu General Hospital, Joetsu)
- PE37-5 Withdrawn 3958
- PE37-6 Preventive Effect of Pretreatment with Pitavastatin on Contrast-induced Nephropathy in Patients with Renal Dysfunction Undergoing Coronary Procedure 3959
Woong Chol Kang (Gachon University Gil Medical Center, Korea)
- PE37-7 Angiotensin Receptor Blocker but not Statin may Prevent Renal Failure-induced Cardiac Hypertrophy and Vascular Calcification in Rodent 3959
Agian Jeffilano Barinda (Metabolic Disorder, Cardiovascular, and Aging Cluster, Indonesia Medical Education and Research Institute, Faculty of Medicine, Universitas Indonesia, Indonesia)
- PE37-8 Withdrawn 3960

Poster Session 38

PCI DES 2

9:00-17:00

Chairperson : Kozo Hoshino (Division of Cardiology, Nagai Hospital, Tsu)

Chairperson : Yusuke Fujino (Kashiwa Kousei General Hospital, Kashiwa)

- PE38-1 Early and Late Vascular Response after Biodegradable-Polymer Sirolimus-Eluting Stent Implantation in ST Elevation Myocardial Infarction <Sub-analysis of MECHANISM Ultimaster Trial> 3961
Takumi Kimura (Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Morioka)
- PE38-2 Long-term Clinical Outcomes of Sirolimus-eluting Stent Implantation for Complex Lesion 3962
Susumu Suzuki (Department of Cardiology, Handa City Hospital, Handa)
- PE38-3 Midterm Clinical Outcome of Third and Second-Generation Drug Eluting Stent Following Rotational Atherectomy for Severe Calcified Coronary Lesions 3962
Kenji Ogata (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- PE38-4 Procedural Safety and One-Year Outcome of Patients Treated with Resolute Endeavor, Resolute Integrity and Resolute Onyx Stents in Malaysians 3963
Nicholas Yul Chye Chua (Cardiology Unit, Faculty of Medicine, Universiti Teknologi MARA, Malaysia)

PE38-5	Gender Difference in Long-term Clinical Outcomes after Percutaneous Coronary Intervention	3963
	Songi Byun (Samsung Medical Center, Korea)	
PE38-6	Long-term Patterns of Red Blood Cell Transfusion and Outcome in Patients Undergoing PCI	3964
	Jin-Ho Choi (Samsung Medical Center, Korea)	
PE38-7	Prognostic Impact of Lesion Complexity Assessed by Radiation Time in Percutaneous Coronary Intervention	3964
	Naoki Aizawa (Department of Cardiology, Showa University Koto-Toyosu Hospital, Tokyo)	
PE38-8	One-Year Clinical Outcomes of Ultrathin Strut Biodegradable Polymer Sirolimus-eluting Stent in Japanese Patients: Retrospective Analysis of Real-world Data	3965
	Shodai Kawanami (Department of Cardiology, Kansai Rosai Hospital, Amagasaki)	

Poster Session 39

Coronary Artery Disease (Clinical) 1

9:00-17:00

Chairperson : Kunio Yufu (Cardiology and Clinical Examination, Oita University, Oita)

Chairperson : Hideki Shimomura (Fukuoka Tokushukai Hospital, Kasuga)

PE39-1	The Add-on Effect of Ranolazine Improves Exercise Tolerance and Angina Frequency in Asia Patients with Stable Angina	3966
	Jen-Kuang Lee (National Taiwan University Hospital, Taiwan)	
PE39-2	Clinical Course of Coronary Heart Disease in Combination with Diseases of the Hepatobiliary Zone	3967
	Madina Rakhimova (3rd Clinic of Tashkent Medical Academy, Republic of Uzbekistan)	
PE39-3	Differences in Unsaturated Fatty Acids between Elderly and Young Patients with Coronary Spastic Angina	3967
	Katsunori Tawara (Department of Cardiology and Clinical Examination, Oita University Faculty of Medicine, Yufu)	
PE39-4	Frequency of Provoked Spasm in 2500 Patients with Spasm Provocation Tests	3968
	Shozo Sueda (Department of Cardiology, Ehime Prefectural Niihama Hospital, Niihama)	
PE39-5	Impact of Peripheral Artery Disease on Severity of Coronary Artery Disease and Clinical Outcome in Patients with Stable Angina	3968
	Koji Yanaka (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)	
PE39-6	Withdrawn	3969
PE39-7	Malnutrition is a Major Factor to Affect Prognosis of Coronary Artery Disease Patients with Myocardial Damage	3969
	Daisuke Kanda (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)	
PE39-8	Efficacy of Excimer Laser Treatment to Recurrent In-stent Restenosis in 6-month Follow-up	3970
	Daimon Kuwahara (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)	

Poster Session 40

Echocardiography 3

9:00-17:00

Chairperson : Hikaru Tsuruta (Keio University, Department of Cardiology, Tokyo)

Chairperson : Toshimi Koitabashi (Kitasato University, School of Medicine, Department of Cardiovascular Medicine, Tokyo)

PE40-1	The Course of Atriogenic Mitral Regurgitation after Successful Radiofrequency Catheter Ablation for Atrial Fibrillation: Can It be Treated by Rhythm Control?	3971
	Yasuhiro Honda (Department of Cardiology, Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)	
PE40-2	Prognostic Value of Pressure-strain Curve Analysis by Echocardiography for Cardiac Death in Patients with Congestive Heart Failure	3972
	Tomoko Manno (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)	
PE40-3	Echolucency of Carotid Plaque is Useful for Selecting High-Risk Patients with Chronic Coronary Artery Disease	3972
	Manabu Uematsu (Department of Internal Medicine II, University of Yamanashi, Faculty of Medicine, Chuo)	

- PE40-4 The Left Ventricular Intracavitary Vortex in Isovolumic Relaxation Period as a Novel Marker of Dyssynchronized Heart 3973
Takako Iino (Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)
- PE40-5 Withdrawn 3973
- PE40-6 Our Experience of Using Vector Velocity Imaging (VVI) Program in Patients with Stable Angina 3974
Sevara I. Bekmetova (Republican Specialized Scientific and Practical Medical Center of Cardiology of Uzbekistan, Republic of Uzbekistan)
- PE40-7 The Effectiveness of Zero-Fluoroscopy Guided Patent Ductus Arteriosus Closure in Comparison to Fluoroscopy: An Evidence-Based Case Report 3974
Brian Mendel (Faculty of Medicine, University of Indonesia, Indonesia)
- PE40-8 Speckle-Tracking Echocardiography Analysis to Evaluate Left Atrial Dynamics in Patients with Chronic Heart Failure: A Systematic Review 3975
Nalagafiar Puratmaja (Cijulang Community Health Center, Indonesia)

Poster Session 41

Congenital Heart Disease

9:00-17:00

Chairperson : Kan Nawata (St. Marianna University School of Medicine, Kawasaki)

Chairperson : Hisanori Sakazaki (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)

- PE41-1 Long-term Outcomes of Congenitally Corrected Transposition of the Great Arteries: A High-volume Single Center Experience 3976
Fumi Yokohama (Department of Cardiovascular Medicine, Okayama University, Okayama)
- PE41-2 Oxygen Inhalation could Increase Oxygen Saturation and Decrease Central Venous Pressure in Adult Patients with Fontan Circulation 3977
Ichiro Sakamoto (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)
- PE41-3 Effectiveness and Safety of Direct Oral Anticoagulants in Adult Congenital Heart Disease Patients 3977
Keita Masuda (Department of Heart Rhythm Management, Yokohama Rosai Hospital, Kanagawa)
- PE41-4 Quality of Life in Adults after Late Repair of Tetralogy of Fallot: Experience from a Low Middle Income Country 3978
Mahin J. Janjua (Aga Khan University, Islamic Republic of Pakistan)
- PE41-5 Transient Features of Fontan Failure in Mitral Atresia with Transposition of the Great Arteries: A Case Report 3978
Jose Antonio L. Bautista (St. Luke's Medical Center - Global City, Republic of the Philippines)
- PE41-6 Debulking Effect of Rotablator in Treating Calcified Coronary Lesions Associated with Aneurysm in Kawasaki Disease (KD) 3979
Shigefumi Taguchi (Division of Cardiology, Heart Institute, Chiba Nishi General Hospital, Matsudo)
- PE41-7 Withdrawn 3979
- PE41-8 Efforts to Establish the Medical Treatment System for Adult Congenital Heart Disease in a Regional Core Hospital 3980
Minako Hoshiai (Pediatric Heart Center, Yamanashi Prefectural Hospital, Kofu)

Poster Session 42

Cardiovascular Surgery

9:00-17:00

Chairperson : Yasushi Yoshikawa (Osaka University, Department of Cardiovascular Surgery, Suita)

Chairperson : Hideo Kanemitsu (Department of Cardiovascular Surgery, Kyoto University Graduate School of Medicine, Kyoto)

- PE42-1 5-Year Outcomes after Coronary Artery Bypass Grafting Using Single or Bilateral Internal Thoracic Artery for Complex Coronary Artery Disease 3981
Hiroyuki Hara (Japan Red Cross Wakayama Medical Center, Wakayama)
- PE42-2 The Use of Single Internal Thoracic Artery vs. Bilateral Internal Thoracic Artery in Coronary Artery Bypass Grafting 3982
Akihito Matsushita (Department of Cardiovascular Surgery, Seikeikai Chiba Medical Center, Chiba)

- PE42-3 Therapeutic Potential of H12-ADP-Liposomes, as a Synthetic Platelet Substitute, for Post-Cardiopulmonary Bypass Coagulopathy 3982
Osamu Ishida (Department of Cardiovascular Surgery, National Defense Medical College, Tokorozawa)
- PE42-4 Comparison of Systemic Right Ventricular Function in d-TGA after Atrial Switch Operation and ccTGA 3983
Masataka Ogiso (Department of Pediatric Cardiology and Adult Congenital Cardiology, Tokyo Women's Medical University, Tokyo)
- PE42-5 Ascending Aortic Dilatation and Aortic Regurgitation Assessed by 4D flow MRI and CT in Patients with Tetralogy of Fallot 3983
Masao Takigami (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)
- PE42-6 Effect of Diastolic and Systolic Dysfunction on Postoperative Outcomes in Aortic Stenosis Patients Undergoing Surgical Aortic Valve Replacement 3984
Yoshihisa Morimoto (Department of Cardiovascular Surgery, Kita-Harima Medical Center, Ono)
- PE42-7 Left Atrial Appendage Flow Velocity Predicts the Risk of Atrial Fibrillation after Mitral Valve Surgery 3984
Genki Naruse (Department of Cardiology, Gifu University School of Medicine, Gifu)
- PE42-8 The Combination Strategy of Mitral Valve Plasty and Cox-maze IV for Atrial Functional Mitral Regurgitation Improves LV and LA Function 3985
Naoko Ikeda (Departments of Cardiology, Showa University Koto Toyosu Hospital, Tokyo)

Poster Session 43

Infection/Myocarditis

9:00-17:00

Chairperson : Noboru Ashida (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Makoto Shoji (Showa University School of Medicine, Department of Internal Medicine, Division of Cardiology, Tokyo)

- PE43-1 Gold Nanoparticles Allow Detection and Photothermal Therapy of Vascular Macrophages 3986
Hisanori Kosuge (Department of Cardiology, Tokyo Medical University, Tokyo)
- PE43-2 Withdrawn 3987
- PE43-3 The Characteristics of the Patients Who Infected Human Immunodeficiency Virus and Diagnosed Ischemic Heart Disease, and Prognosis after Coronary Revascularization 3987
Shuji Kubota (Department of Cardiology, National Center for Global Health and Medicine, Tokyo)
- PE43-4 Leadless Cardiac Pacemaker Implantation after Lead Extraction in Patients with Device Infection 3988
Rei Kuji (Kokura Memorial Hospital, Kitakyushu)
- PE43-5 Withdrawn 3988
- PE43-6 Neglected Catheter-Related Bloodstream Infective Endocarditis of Tricuspid Valve Complicated by Pulmonary Hypertension: A Rare Case 3989
I. Gede Parama Semita Gandi (Faculty of Medicine, Universitas Airlangga, Indonesia)
- PE43-7 Impact of Interleukin-6 on Severity and Myocardial Injury in Patients with Myocarditis 3989
Naofumi Amioka (Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama)
- PE43-8 Predictors of Developing Fulminant Course in Patients with Acute Myocarditis 3990
Eiichiro Oka (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

Poster Session 44

Arrhythmia (Basic)

9:00-17:00

Chairperson : Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson : Ichiro Sakuma (Medical Device Development and Regulation Research Center, School of Engineering, The University of Tokyo, Tokyo)

- PE44-1 Metalloprotease Nardilysin Controls Heart Rate through the Transcriptional Regulation of Ion Channels Critical for Sinus Automaticity 3991
Mikiko Ohno (Department of Pharmacology, Shiga University of Medical Science, Otsu)

- PE44-2 Repeating Glucose Fluctuations Impair Morphological and Functional Integrity of Sinus Node in Diabetic Mice 3992
Takahiro Oniki (Department of Cardiology and Clinical Examination, Oita University, Yufu)
- PE44-3 The Possibility of Relation between DNA Methylation and Atrial Remodeling in Pressure-overload Murine Model 3992
Keiko Abe (Anesthesiology and Clinical Physiology, Department of Oral Restitution, Division of Oral Health Sciences, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Tokyo)
- PE44-4 Variable Severity in Long QT Syndrome Patients with Mutations in Genes Related with Calcium Handling 3993
Megumi Fukuyama (Department of Cardiology, Shiga University School of Medicine, Otsu)
- PE44-5 Canagliflozin Suppresses the Electrophysiological Changes in Isoproterenol-induced Myocardial Injury Rat Model 3993
Shuhei Kobayashi (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagami-hara)
- PE44-6 How the Deuteration of Dronedrone can Modify Its Cardiovascular Profile: A New Strategy for Optimizing Efficacy and Adverse Effects 3994
Ryuichi Kambayashi (Department of Pharmacology, Faculty of Medicine, Toho University, Tokyo)
- PE44-7 Transcriptome Analysis of the Sinoatrial Node in Mice with Exercise-Induced Bradycardia 3994
Seiya Miyazaki (Laboratory of Stem Cell and Regenerative Medicine, College of Life Sciences, Ritsumeikan University, Kusatsu)
- PE44-8 A Novel Inherited Life-threatening Arrhythmia Model Established by Screening Randomly Mutagenized Mice 3995
Nobuyuki Murakoshi (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

Poster Session 45

Vasular Disease (Therapy) 1

9:00-17:00

Chairperson : Shinya Takase (Fukushima Medical University, School of Medicine, Fukushima)
Chairperson : Nobuhiro Suematsu (Department of Cardiology, Saiseikai Fukuoka General Hospital, Fukuoka)

- PE45-1 Comparison of Multiple Nutrition Status Assessment on Clinical Outcome in Peripheral Artery Disease Patients Undergoing Endovascular Therapy 3996
Kohei Kawamura (Department of Cardiovascular Medicine, Okayama City Hospital, Okayama)
- PE45-2 Predictive Factors for Postoperative Hypoxia in Acute Type A Aortic Dissection 3997
Yuika Kameda (Department of Cardiovascular Surgery, Ota Memorial Hospital, Ota)
- PE45-3 Clinical Outcomes of the Isolated Below-the-knee Artery Lesions in Patients with Critical Limb Ischemia after Endovascular Treatment 3997
Kiu Tanaka (Department of Cardiology, Shinshu Ueda Medical Center, Ueda)
- PE45-4 Predictors and Characteristics of Major Adverse Limb Event (MALE) in Chronic Limb-Threatening Ischemia (CLTI) after Endovascular Treatment 3998
Makoto Sugihara (Department of Cardiology, Fukuoka University Hospital, Fukuoka)
- PE45-5 Association of the Prognosis of Ankle-brachial Index Improvement 1 Year after Endovascular Therapy: From the I-PAD Registry 3999
Keisuke Senda (Department of Cardiology, Aizawa Hospital, Matsumoto)
- PE45-6 The Predictors of <0.1 ABI Change after Femoropopliteal All Balloon Angioplasty 4000
Satoru Ookuma (Department of Cardiology, Sapporo Cardio Vascular Clinic, Sapporo)
- PE45-7 Impact of Atrial Fibrillation on 3-year Clinical Outcomes in Patients with Peripheral Artery Disease: Insights from the I-PAD Registry 4000
Keisuke Machida (Department of Cardiology, Ina Central Hospital, Ina)
- PE45-8 Differences in the Efficacy of Cilostazol on Target Lesions Treated with Endovascular Therapy: From the I-PAD Registry 4001
Keisuke Senda (Department of Cardiology, Aizawa Hospital, Matsumoto)

Poster Session 46

Vasular Disease (Therapy) 2

9:00-17:00

Chairperson : Takeshi Adachi (Department of Cardiology, National Defense Medical College, Tokorozawa)
Chairperson : Koji Hozawa (New Tokyo Hospital, Department of Cardiovascular Medicine, Matsudo)

- PE46-1 Clinical Outcomes of Stent-graft versus Polymer-free, Paclitaxel-coated Stent Implantation for Patients with Peripheral Artery Diseases Presenting Femoropopliteal Artery Lesions 4003
Takuya Tsujimura (Kansai Rosai Hospital Cardiovascular Center, Amagasaki)
- PE46-2 1-year Clinical Outcomes of Drug Coated Balloon for Femoropopliteal Lesions Compared with Drug Coated Stent 4004
Kenji Ogata (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- PE46-3 Lymphocyte-to-monocyte Ratio is an Independent Predictor of 90-day Mortality after Endovascular Therapy in the Patients with Critical Limb Ischemia 4004
Kohei Ukita (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- PE46-4 Impact of Frailty on Super Elderly Patients with Peripheral Artery Disease from the I-PAD 3year Registry 4005
Ken Nishikawa (Department of Cardiovascular Medicine, Joetsu General Hospital, Joetsu)
- PE46-5 Correlation and Clinical Usefulness between Ankle-Brachial Index, Percentage of Mean Arterial Pressure and Upstroke Time for Peripheral Arterial Intervention 4005
Yoh Arita (Department of Cardiology, Japan Community Healthcare Organization Osaka Hospital, Osaka)
- PE46-6 The Impact of Cardiac Functions on Loss of Patency in the Endovascular Therapy of Femoro-popliteal Lesions with Anti-restenotic Devices 4006
Sho Nakao (Kansai Rosai Hospital Cardiovascular Center, Amagasaki)
- PE46-7 Impact of Vessel Size on Stent Patency between TASC2 Class A to C and D Lesions in the Femoropopliteal Artery 4006
Kojiro Miki (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)
- PE46-8 Impact of Gender on Long-Term Outcomes of Peripheral Arterial Disease Patients Treated with Endovascular Therapy: Insights from the I-PAD Registry 4007
Hisanori Yui (Department of Cardiology, Shinshu University School of Medicine, Matsumoto)

Poster Session 47

Vascular Biology

9:00-17:00

Chairperson : Kayoko Sato (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

Chairperson : Masafumi Watanabe (Yamagata University Faculty of Medicine, Department of Cardiology, Pulmonology and Nephrology, Yamagata)

- PE47-1 Ninjurin1 is Novel Adhesion Molecule Mediating Interaction between Endothelial Cells and Pericytes for Vessel Maturation 4008
Akiho Minoshima (Internal Medicine Division of Cardiology, Nephrology, Pulmonology and Neurology, Asahikawa Medical University, Asahikawa)
- PE47-2 Syk Activation is a Defense Mechanism of Aortic Wall against Aortic Dissection 4009
Youhei Hashimoto (Department of Internal Medicine, Division of Cardiovascular Medicine, Kurume University School of Medicine, Kurume)
- PE47-3 Uric Acid Worsens Atherosclerosis by Deregulating the Asymmetric Dimethylarginine Dimethylarginine Dimethylaminohydrolase 2 4009
Yu Ru Kou (Department of Physiology, School of Medicine, National Yang-Ming University, Taiwan)
- PE47-4 High Wall Shear Stress is Related to Atherosclerotic Plaque Rupture of the Aortic Arch in Patients with Cardiovascular Disease 4010
Keisuke Kojima (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)
- PE47-5 Influence of Age and Cardiovascular Risk Factors on Digital Vascular Function in Asians: A Community-based Study 4010
Shir Lynn Lim (National University Heart Center, Republic of Singapore)
- PE47-6 Endothelial Nitric Oxide Mediates the Anti-Inflammatory Action of Torenia Concolor Lindley var. Formosama Yamazaki 4011
Bei-Chia Guo (Graduate Institute and Department of Physiology, College of Medicine, National Taiwan University, Taiwan)
- PE47-7 Di-(2-ethylhexyl) Phthalate Limits the Pleiotropic Effects of Statins by Inhibiting Transient Receptor Potential Vanilloid Type 1 in Endothelial Cells 4011
Tzong-Shyuan Lee (Graduate Institute and Department of Physiology, College of Medicine, National Taiwan University, Taiwan)
- PE47-8 Marked Impairment of Endothelium-dependent Digital Vasodilatations in Patients with Microvascular Angina - Evidence for Systemic Small Artery Disease- 4012
Shoko Kajitani (Department of Cardiovascular Medicine, Tohoku University, Sendai)

Poster Session 48

Cardiomyopathy (Basic)

9:00-17:00

Chairperson : Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Chairperson : Mikito Takefuji (Nagoya University, Nagoya)

- PE48-1 Withdrawn 4013
- PE48-2 SIRT1, a Histone Deacetylase, Mediates the Proper DNA Damage Response to Protect against Doxorubicin-induced Cardiotoxicity 4014
 Atsushi Kuno (Department of Pharmacology, Sapporo Medical University, Sapporo)
- PE48-3 Cardiac Mitofusin-1 is Reduced in Non-responding Patients with Idiopathic Dilated Cardiomyopathy 4014
 Yung-Ting Hsiao (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- PE48-4 Three-dimensional Homogeneous Array of Cardiomyocytes in Dilated Cardiomyopathy Revealed by Intravital Heart Imaging 4015
 Kiyoshi Masuyama (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- PE48-5 Blockade of Protease Activated Receptor-1 Signaling Attenuates Cardiac Hypertrophy and Fibrosis in Renin-Overexpressing Hypertensive Mice 4015
 Yoshikazu Yokono (Department of Cardiology, Hirosaki University Graduate School of Medicine, Hirosaki)
- PE48-6 Gut Microbiota Modulate Myocardial Mass through the Remote Regulation of Gene Expression in the Murine Heart 4016
 Takehiro Kamo (Division of Cardiovascular Medicine, The Institute for Adult Diseases, Asahi Life Foundation, Tokyo)
- PE48-7 Accumulation of Free Iron, but not Protein-bound Iron, in Mitochondria may Contribute to Development of Doxorubicin-induced Cardiomyopathy 4016
 Tatsuya Sato (Department of Cardiovascular, Renal, and Metabolic Medicines, Sapporo Medical University School of Medicine, Sapporo)
- PE48-8 Downregulation of HERPUD1 Exacerbates Oxidative Stress-induced Mitochondrial Dysfunction and Cardiomyocyte Death 4017
 Soichiro Ikeda (Department of Cardiovascular Medicine, Faculty of Medical Sciences, Kyushu University, Fukuoka)

Poster Session 49

ACS (Treatment) 1

9:00-17:00

Chairperson : Ryosuke Murai (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)

- PE49-1 Prognostic Impact of Malnutrition Assessed Using Geriatric Nutritional Risk Index in Elderly Patients with Acute Myocardial Infarction 4018
 Tomohiro Nakamura (Department of Cardiology, Saitama Citizens Medical Center, Saitama)
- PE49-2 Delayed Reperfusion despite Early Hospital Arrival Predicts Worse Clinical Outcome in Patients with Acute ST Elevation Myocardial Infarction 4019
 Yutaka Yoshino (Department of Cardiology, Narita Red Cross Hospital, Chiba)
- PE49-3 Underoptimized Prior Statin Therapy in Acute Coronary Syndrome 4019
 Kuan Sze Tan (University Teknologi MARA, Malaysia)
- PE49-4 A Combination of Frailty and Renal Dysfunction Deteriorates Clinical Outcomes in Patients with ST-Segment Elevation Myocardial Infarction 4020
 Masanari Kurobe (Department of Cardiology, Yokkaichi Municipal Hospital, Yokkaichi)
- PE49-5 Effect of Intravenous Administration of Quercetin to Reperfusion Complications of ST Elevation Acute Myocardial Infarction 4020
 Sirojiddin Kenjaev (Republican Scientific Center of Emergency Medicine, Republic of Uzbekistan)
- PE49-6 Absence of Coronary Angioscopy-derived Thrombi Predicts Future Major Bleeding Events in AMI Patients 4021
 Akihito Ohgaku (Nihon University School of Medicine Division of Cardiology, Department of Medicine, Tokyo)
- PE49-7 The Peak of Anion Gap Acidosis Predicts Post-discharge Cardiac Mortality in Acute Coronary Syndrome Patients with Primary Percutaneous Coronary Intervention 4021
 Tomoharu Kawase (Department of Cardiology, Hiroshima City, Hiroshima Citizens Hospital, Hiroshima)

- PE49-8 Characteristics and Clinical Significance of Healed Plaques in Patients with Acute Coronary Syndrome: Optical Coherence Tomographic Evaluation 4022
Hitoshi Nakamura (Department of Cardiology, Osaka Rosai Hospital, Sakai)

Poster Session 50
ACS (Treatment) 2

9:00-17:00

Chairperson : Masaru Ishida (Iwate Medical University, Department of Internal Medicine, Division of Cardiology, Morioka)
Chairperson : Kenji Miwa (Ishikawa Prefectural Central Hospital, Kanazawa)

- PE50-1 Withdrawn 4023
- PE50-2 Withdrawn 4024
- PE50-3 Early Reperfusion and Left Ventricular Diastolic Dysfunction in Patients with ST Elevation Myocardial Infarction 4024
Markhabo Sharipova (Republican Scientific Center of Emergency Medicine, Republic of Uzbekistan)
- PE50-4 Difference of Vascular Healing between Ruptured Fibrous Cap and Intact Fibrous Cap in Patients with Acute Coronary Syndrome 4025
Hitoshi Nakamura (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- PE50-5 Inferior STEMI with a Refractory Thrombus in Ectasia RCA, is There a Role for DOAC? 4025
Wj Patrick Tiau (National University of Malaysia, Malaysia)
- PE50-6 The Outcomes in Patients with Acute Coronary Syndrome among Left Main Coronary Artery Underwent Percutaneous Coronary Intervention 4026
Takayuki Nakano (Hiroshima City Hiroshima Citizens Hospital, Hiroshima)
- PE50-7 Hospital Percutaneous Coronary Intervention Volume and Patient Mortality with Acute Myocardial Infarction from K-ACTIVE 4026
Kaoru Sakurai (Department of Cardiovascular Medicine, Shin-yurigaoka General Hospital, Kawasaki)
- PE50-8 Factors Predicting In-Hospital Complications in Japanese Patients with ST-elevation Myocardial Infarction Undergoing Percutaneous Coronary Intervention 4027
Dai Yamamoto (Department of Cardiology, Toyota Memorial Hospital, Toyota)

Poster Session 51
Ventricular Arrhythmia

9:00-17:00

Chairperson : Yoshinori Kobayashi (Division of Cardiology, Tokai University Hachioji-hospital, Tokyo)
Chairperson : Satoshi Shizuta (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

- PE51-1 Oral Caffeine Intake Amplifies the Response to Isoproterenol in Patients with Frequent Premature Ventricular Complexes 4028
Hideyuki Hasebe (Department of Arrhythmology, Shizuoka Saiseikai General Hospital, Shizuoka)
- PE51-2 Clinical Significance of the Long Preferential Conduction Type in a Novel Classification of Pulmonary Artery Ventricular Arrhythmias 4029
Hitoshi Hachiya (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- PE51-3 Significance of Ventricular Arrhythmia Based on Stored Electrogram Analysis in a Pacemaker Population 4029
Junya Hosoda (Department of Cardiology, Yokohama City University Hospital, Yokohama)
- PE51-4 Withdrawn 4030
- PE51-5 Increased Left Ventricular Stiffness in Patients with Symptomatic Premature Ventricular Contraction 4030
Eiji Fukuhara (Department of Cardiovascular and Renal Medicine, Hyogo College of Medicine, Nishinomiya)
- PE51-6 Mexiletine Suppressed the T Wave Alternance Observed in Babies with Long QT Syndrome Type 8 4031
Junichi Ozawa (Department of Pediatrics, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- PE51-7 Risk Factor and Prognosis of Ventricular Arrhythmias after Cardiac Surgery 4031
Chanadda Rutnuntamongkon (Siriraj Hospital, Thailand)

PE51-8 Withdrawn 4032

Poster Session 52

Cardio-Oncology 1

9:00-17:00

Chairperson : Jiro Sakamoto (Tenri Hospital, Department of Cardiology, Tenri)

Chairperson : Kensuke Matsumoto (Kobe University Graduate School of Medicine, Department of Internal Medicine, Division of Cardiovascular Medicine, Kobe)

PE52-1 Impact of Hypertension on Left Ventricular Function in Patients with Malignant Lymphoma after Anthracycline Chemotherapy 4033

Yusuke Tanaka (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

PE52-2 Blood Concentration of Tacrolimus and Age Predict Tacrolimus-induced Left Ventricular Dysfunction after Bone Marrow Transplantation in Adults 4034

Kohko Kanazawa (Division of Cardiology, Ohta Nishinouchi Hospital, Koriyama)

PE52-3 Prevalence, Characteristics and 1-year Mortality of Patients with Cancer and Acute Myocardial Infarction 4034

Kengo Tosaka (Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Iwate)

PE52-4 The Energometabolic Betterment could Restore the Impaired Left Ventricular Performance in Liposomal Epirubicin Recipients for Ovarian and Breast Cancers 4035

Adrian Tase (Emergency Hospital Arges County Pitesti, Roumania)

PE52-5 Cardiac Strain may Indicate Subclinical Decline of Cardiac Function after Hematopoietic Stem Cell Transplantation in Patients with Hematologic Malignancies 4035

Makiko Oboshi (Department of Onco-Cardiology, Osaka International Cancer Institute, Osaka)

PE52-6 Bleeding Events Associated with Anticoagulant Therapy; Apixaban in Japanese Patients with Cancer-associated Venous Thromboembolism: A Multicenter Phase II Trial (J-CAV) 4036

Kenta Mori (General Internal Medicine, Kobe University Hospital, Kobe)

PE52-7 Withdrawn 4036

PE52-8 30% of Cancer Patients with Pulmonary Embolism was Asymptomatic despite Same Value of D-dimer Compared with Non-Cancer Patients 4037

Hiroshi Kojima (Department of Cardiovascular Medicine, Kitakyushu Municipal Medical Center, Kitakyushu)

Poster Session 53

Cardio-Oncology 2

9:00-17:00

Chairperson : Kazunori Otsui (Department of General Internal Medicine, Kobe University Hospital, Kobe)

Chairperson : Yuji Nishimoto (Department of Cardiology, Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)

PE53-1 Impact of Osimertinib on Cardiac Contractility in EGFR-mutated Non-small Cell Lung Cancer Patients 4038

Risa Kamada (Department of Onco-Cardiology, Osaka International Cancer Institute, Osaka)

PE53-2 Clinical Analysis of Sarcomere-Associated Gene Mutations as Secondary Findings in Whole Exome Sequence of Cancer Patients 4039

Kei Iida (Division of Cardiology, Shizuoka Cancer Center, Sunto-Gun)

PE53-3 Pericardiac Effusion as an Acute Presentation of Malignancy 4039

Kent Ter Lau (Miri General Hospital, Malaysia)

PE53-4 Blockade of the Adrenomedullin-RAMP3 System Suppresses Metastasis through Modification of Cancer-associated Fibroblasts 4040

Kun Dai (Department of Cardiovascular Research, Shinshu University School of Medicine, Matsumoto)

PE53-5 The Mechanism of Cardioprotective Effect of Eosinophil Cationic Protein in Anticancer Drug-induced Cardiotoxicity Model 4040

Takuto Nishimura (Department of Medical Technology, Graduate School of Health Sciences, Okayama University, Okayama)

- PE53-6 p62/SQSTM1 Protects against Doxorubicin-induced Cardiomyocyte Apoptosis and Preserves Heart Function 4041
 Michiko Tsushima (Department of Cardiology and Nephrology, Hirosaki University School of Medicine, Hirosaki)

Poster Session 54
 CIED 2

9:00-17:00

Chairperson : Satoshi Shizuta (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
 Chairperson : Junjiro Koyama (Division of Cardiology, Saiseikai Kumamoto Hospital, Cardiovascular Center, Kumamoto)

- PE54-1 Impact of Body Mass Index on Safety and Efficacy of Subcutaneous Implantable Cardioverter-defibrillator in Asian Patients: Japanese Single Center Experience 4042
 Shingo Sasaki (Department of Cardiology and Nephrology, Hirosaki University Graduate School of Medicine, Hirosaki)
- PE54-2 Mechanism of Sensing Delay Assessed during Intraoperative Defibrillation Test in Subcutaneous Implantable Cardioverter-defibrillator 4043
 Takuo Tsurugi (Department of Cardiology, Cardiovascular Center, Saiseikai Kumamoto Hospital, Kumamoto)
- PE54-3 Acute and Mid-term Outcomes of Subcutaneous Implantable Cardioverter Defibrillator Therapy in Patients at Risk of Ventricular Tachyarrhythmia 4043
 Kenichi Iijima (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- PE54-4 Appropriate Pacing Positioning Using CT Coronary Venography and Myocardial Perfusion Imaging Contributes to Optimal Cardiac Resynchronization Therapy 4044
 Tomohiro Tada (Hakodate Goryokaku Hospital, Hakodate)
- PE54-5 The Mechanism and Prognosis of Acute and Late Improvement in Mitral Regurgitation after Cardiac Resynchronization Therapy 4044
 Hiroya Okamoto (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- PE54-6 Septal Flash in Patients with Left Bundle Branch Block Assessed by 2-D Speckle Tracking Imaging 4045
 Aya Fujii (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- PE54-7 The Clinical Outcome of 5 Years Follow-up with a Quadripolar Left Ventricular (LV) System in a Total of 288 CRT-D Cases 4045
 Masamitsu Nitta (Chiba-Nishi General Hospital, Matsudo)
- PE54-8 Risk Factors for Defibrillation Testing Failure in Patients with Transvenous Implantable Cardioverter Defibrillator 4046
 Kentaro Aizawa (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

Poster Session 55
 CIED 3

9:00-17:00

Chairperson : Ando Kenji (Cardiology Department, Kokura Memorial Hospital, Kitakyushu)
 Chairperson : Takahiro Doi (Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto)

- PE55-1 Causes and Trends of Inappropriate Shocks of Subcutaneous Implantable Cardioverter-defibrillator in the SMART Pass Era 4047
 Shingo Sasaki (Department of Cardiology and Nephrology, Hirosaki University Graduate School of Medicine, Hirosaki)
- PE55-2 Usefulness of the Controlled-rotation Dilator Sheath "Evolution" for Extraction of Old Calcified Leads 4048
 Hiroaki Tabata (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- PE55-3 Predictors of Requirement for a Bailout Femoral Approach in Transvenous Lead Extraction of Pacemaker and Defibrillator Leads 4048
 Tsuyoshi Isawa (Department of Cardiology, Sendai Kousei Hospital, Sendai)
- PE55-4 Microbiological Characteristics and Selection of Antibiotics for Cardiac Implantable Electronic Device Infection in Our Hospital 4049
 Yusuke Sonoda (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

- PE55-5 Frequency of Non-Sustained Ventricular Tachycardia is Related to Lethal Arrhythmia in Patients with Cardiac Sarcoidosis Implanted Cardiac Electronic Devices 4049
Yuki Arakawa (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagami-hara)
- PE55-6 Utility of External Loop Recorders in Patients with Pre-syncope Symptoms 4050
Hisaharu Ohe (Department of Cardiology, University of Occupational and Environmental Health Japan, Fukuoka)
- PE55-7 Withdrawn 4050
- PE55-8 Continuous Cardiac Rehabilitation Have an Impact on Therapy Event in Patient with Cardiac Resynchronization Therapy Defibrillator 4051
Ko Ogawa (Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo)

Poster Session 56

Cardiac Rehabilitation 1

9:00-17:00

Chairperson : Kozue Ikeda (Shinoda General Hospital, Department of Cardiology, Yamagata)

Chairperson : Tomohiko Kisaka (Translational Research Center, Hiroshima University, Hiroshima)

- PE56-1 Short Term Modified Outpatient Rehabilitation Improves Quality of Life in Atrial Septal Defect Associated Pulmonary Arterial Hypertension 4052
Indera N. Achmad (Dr Sardjito Hospital-University of Gadjah Mada, Indonesia)
- PE56-2 Withdrawn 4053
- PE56-3 Heart Rate Recovery after Exercise as a Prognostic Predictor in Patients with Atrial Fibrillation 4053
Natsu Itahashi (Department of Cardiology, The Cardiovascular Institute, Tokyo)
- PE56-4 Withdrawn 4054
- PE56-5 Medium not Too High Intensity versus Medium not Too Low Intensity Exercise Effect on Hypertension Adults with Heart Disease 4054
Alvin Wiharja (Svarga e-Motion Sanctuary, Indonesia)
- PE56-6 Regional Muscle-adipose Distribution is Different in Patients with Heart Failure with Preserved or Reduced Ejection Fraction 4055
Hirotoshi Ishikawa (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- PE56-7 Cardiac Adaptation to Weekly Exercise Interval Training: A Cross-sectional and Longitudinal Study of Athlete's Heart 4055
Hidehiro Nakahara (Morinomiya University of Medical Sciences, Osaka)
- PE56-8 The Phenomenon of Post-systolic Shortening Depending on the Presence and Severity of Coronary Artery Disease 4056
Anna Stepanova (Central State Medical Academy of Department of Presidential Affairs, Russian Federation)

Poster Session 57

Heart Failure (Diagnosis)

9:00-17:00

Chairperson : Toshihiro Muramatsu (Saitama Medical University International Medical Center, Saitama)

Chairperson : Yoshiyuki Kijima (Japan Community Healthcare Organization Hoshigaoka Medical Center, Osaka)

- PE57-1 The Association of FIB4 Index before Discharge and Readmission in Patients with Decompensated Heart Failure 4057
Yuta Ueki (Department of Cardiovascular Medicine, Okayama City Hospital, Okayama)
- PE57-2 Sex Differences in Clinical Characteristics and Outcomes in Patients with Heart Failure Hospitalization Insight from Kokura Congestive Heart Failure Registry 4058
Mariko Yano (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- PE57-3 Usefulness of 2-year Iodine-123 Metaiodobenzylguanidine-based Risk Model for the Post-discharge Risk Stratification in Patients with Acute Decompensated Heart Failure 4058
Shunsuke Tamaki (Division of Cardiology, Osaka General Medical Center, Osaka)
- PE57-4 Association of Uric Acid and Left Ventricular Systolic Function in Healthy Japanese Men 4059
Hiroki Nakano (Department of Cardiology, Tokyo Medical University, Tokyo)

PE57-5	Prediction of Acute Coronary Syndrome, Ischemic Stroke, and Mortality in Patients with Heart Failure	4059
	Weisyun Hu (CMUH, Taiwan)	
PE57-6	Withdrawn	4060
PE57-7	Withdrawn	4060
PE57-8	The Comparison of Risk Factor between Heart Failure with Reduced Ejection Fraction and Heart Failure with Preserved Ejection Fraction	4061
	Niyata H. Karunawan (Faculty of Medicine, Duta Wacana Christian University, Indonesia)	

Poster Session 58

Thromboembolism 1

9:00-17:00

Chairperson : Masaaki Yashima (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

Chairperson : Masamitsu Adachi (Sanin Rosai Hospital, Department of Cardiology, Yonago)

PE58-1	Clinical Phenotypes and Outcome in Patients with Non-valvular Atrial Fibrillation Defined by Cluster Analysis: The J Rhythm Registry Subanalysis	4062
	Eiichi Watanabe (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)	
PE58-3	A Novel and Simple Risk Score for the Prediction of Bleeding in Atrial Fibrillation Patients with Direct Oral Anticoagulants	4063
	Masato Kawasaki (Division of Cardiology, Osaka General Medical Center, Osaka)	
PE58-4	Withdrawn	4063
PE58-5	Effect of Uninterrupted Use of Non-Vitamin K Antagonists on Incidence of Silent Cerebral Events after Atrial Fibrillation Ablation	4064
	Masahide Harada (Department of Cardiology, Fujita Health University, Toyoake)	
PE58-6	The Safety of Dabigatran Bridging Therapy during Hospitalization for Atrial Fibrillation Ablation	4064
	Kentaro Adachi (Department of Cardiology, Toyota Kosei Hospital, Toyota)	
PE58-7	Clinical Adverse Events of Under-dose or Discontinue Direct Oral Anticoagulants after Atrial Fibrillation Ablation: Subanalysis from the AF Frontier Ablation Registry	4065
	Yuji Wakamatsu (Division of Cardiology, Nihon University Itabashi Hospital, Tokyo)	
PE58-8	Withdrawn	4066
PE58-2	Anticoagulation Therapy and Clinical Outcomes among Elderly Patients after Venous Thromboembolism: From the COMMAND VTE Registry	4066
	Tomohisa Tada (Department of Cardiology, Shizuoka General Hospital, Shizuoka)	

Poster Session 59

Venous Thromboembolism

9:00-17:00

Chairperson : Yoshiki Nagata (Chiyoda Cardiology Clinic, Hokuriku Health Service Association, Toyama)

Chairperson : Naoki Amaya (Sugita Genpaku Memorial Obama Municipal Hospital, Obama)

PE59-2	Why Does Embolic Stroke Related to Non-valvular Atrial Fibrillation not Decrease?	4067
	Chisa Asahina (Yamanashi Prefectural Central Hospital, Yamanashi)	
PE59-1	Clinical Course of Cancer-associated Pulmonary Embolism Treated with Direct Oral Anticoagulants: Prognosis, Recurrence of Venous Thromboembolism and Major Bleeding Complication	4068
	Yoshihisa Nakano (Nagoya University Graduate School of Medicine, Department of Advanced Medicine of Cardiopulmonary Disease, Nagoya)	
PE59-3	Evaluation of Direct Oral Anticoagulant Therapy for Digestive Organ Cancer Related Venous Thromboembolism	4069
	Yutaka Ogino (Department of Cardiology, Yokohama City University Medical Center, Yokohama)	
PE59-4	The Characteristics of the Elderly Patients with Acute Pulmonary Thromboembolism Based on the Tokyo CCU Network Registry	4069
	Makoto Shoji (Tokyo CCU Network Scientific Committee, Tokyo)	

- PE59-5 Quantitative Evaluation: The Effect of Direct Oral Coagulants on Thrombus Regression in Venous Thromboembolism 4070
Hiroshi Yamazaki (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)
- PE59-6 How should We Treat Pregnant Women Complicated with Deep Venous Thrombosis? 4070
Akihiko Miyata (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)
- PE59-7 Early Impact of Treatment with Ribaroxaban on Thrombosis Regression Assessed by Volume Measurements among Patients with Acute Venous Thromboembolism 4071
Takayuki Kabuki (Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo)
- PE59-8 Asymptomatic Isolated Distal Deep Vein Thrombosis of the Leg might be not Necessary to Treat Anticoagulant Drugs 4071
Kazunori Otsui (Department of General Internal Medicine, Kobe University Hospital, Kobe)

Poster Session 60

Hypertension (Pathophysiology) 2

9:00-17:00

Chairperson : Tatsuya Maruhashi (Department of Cardiovascular Medicine, Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima)
Chairperson : Sumiyo Yamashita (Education and Research Center for Advanced Medicine, Graduate School of Medical Sciences, Nagoya City University, Nagoya)

- PE60-1 Withdrawn 4072
- PE60-2 Frequency and Voltage Dependence of Vagal Nerve Stimulation-induced Myocardial Acetylcholine Release 4073
Toru Kawada (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)
- PE60-3 Aging Increases Blood Pressure Variability in the Operating Frequency Range of Baroreflex in Healthy Subjects 4073
Jumpei Mano (Technology Development HQ, OMRON Healthcare Co., Ltd., Muko/Graduate School of Science and Technology, Nara Institute of Science and Technology, Ikoma)
- PE60-4 MentalPlus Digital Game Usefulness in Cognitive Dysfunction Evaluation Compared to Neuropsychological Testing Batteries in a Hypertensive Treated Population 4074
Valeria F. A. Pereira (Heart Institute - School of Medicine - University of Sao Paulo, Federative Republic of Brazil)
- PE60-5 Withdrawn 4074
- PE60-6 Analysis Dyslipidemias of Association with Hypertension among Mongolian Adults 4075
Pilmaa Yondonjamts (Institute of Medical Science, Mongolia)
- PE60-7 Hemodynamic Management of Hypertension: An Individualized and Precise Method to Treat Hypertension 4075
Francisco Chacon Lozan (Peterfy Sandor Hospital, Republic of Hungary)
- PE60-8 Comparison of Medication Adherence between Fixed-dose Combination and Free-combination of Angiotensinogen Receptor Blocker and Statin 4076
Songi Byun (Samsung Medical Center, Korea)

Poster Session 61

Heart Failure (Pharmacotherapy) 1

9:00-17:00

Chairperson : Kazuhide Ogino (Department of Cardiology, Japanese Red Cross Tottori Hospital, Tottori)
Chairperson : Toshiro Miura (Tokuyama Central Hospital, Tokuyama)

- PE61-1 Economic Impact of Heart Failure with Preserved Ejection Fraction: Insights from the PURSUIT-HFpEF Registry 4077
Mayu Nishio (Department of Cardiology, Saiseikai Senri Hospital, Suita)
- PE61-2 Withdrawn 4078
- PE61-3 Alternative Diuretic of Acetazolamide to Vasopressin Antagonists for Modulation of Hyponatremia in Cardiovascular Patients 4078
Hajime Kataoka (Internal Medicine, Nishida Hospital, Saiki)

- PE61-4 Effectiveness and Safety of Tolvaptan in Patients with Acute Heart Failure Prior to Long-distance Transfer 4079
Shuko Iwata (Nayoro City General Hospital, Nayoro)
- PE61-5 Clinical Effectiveness and Adverse Events of Tolvaptan in Very Elderly Patients with Acute Decompensated Heart Failure 4079
Yusuke Morita (Division of Cardiology, Shimane University Faculty of Medicine, Izumo)
- PE61-6 Impact of Polypharmacy on Adherence and Prognosis in Patients with Acute Decompensated Heart Failure: From CURE-HF Registry 4080
Hirohiko Motoki (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- PE61-7 Association of Early Tolvaptan Treatment and Length of Hospital Stay in Elderly Patients with Heart Failure with Preserved Ejection Fraction 4080
Sho Suzuki (Department of Cardiovascular Medicine, Minaminagano Medical Center, Shinonoi General Hospital, Nagano)
- PE61-8 Evaluation of Clinical Efficiency of Sucobetril/Valsartan in Patients with Chronic Cardiac Insufficiency with Associated Diabetes Milletensu 2 Type 4081
A.O. Khalikova (Tashkent Medical Academy, Tashkent, Uzbekistan)

Poster Session 62

PCI Restenosis

9:00-17:00

Chairperson : Ichiro Hamanaka (Rakuwakai Marutamachi Hospital, Kyoto)

- PE62-1 Shorter Duration from the Index PCI Correlates with Higher Recurrent Target Lesion Revascularization Rate after the Drug Coated Balloon Angioplasty 4082
Tomohiko Sato (Department of Cardiology, New Tokyo Hospital, Matsudo)
- PE62-2 Predictors of Early and Late Target Lesion Revascularization after Everolimus-Eluting Stent Implantation 4083
Teruki Takeda (Department of Cardiology, Koto Memorial Hospital, Higashi-Ohmi)
- PE62-3 Clinical Characteristics of Patients with In-stent Neointimal Hyperplasia and Very Late Stent Thrombosis 4083
Tadanao Higaki (Department of Cardiology, Hiroshima Citizen Hiroshima City Hospital, Hiroshima)
- PE62-4 Impact of Glycemic Control on Incidence of Target Lesion Revascularization after Percutaneous Coronary Intervention in Patients with Diabetes Mellitus 4084
Takanari Fujita (Department of Cardiovascular Medicine, Koto Memorial Hospital, Higashiomi)
- PE62-5 Comparison of Paclitaxel-coated Balloon versus Stent Implantation for In-stent Restenosis in Patients with Hemodialysis 4084
Kenichi Yamane (Division of Cardiology, Akane Foundation Tsuchiya General Hospital, Hiroshima)
- PE62-6 Comparison of the Clinical Outcomes after Revascularization for In-Stent Restenosis between Bare-Metal Stents and Drug-Eluting Stents 4085
Kenichi Yamane (Division of Cardiology, Akane Foundation Tsuchiya General Hospital, Hiroshima)
- PE62-7 Clinical Impact of Neointimal Tissue Characteristics in Patients Treated with Paclitaxel-Coated Balloon for Second-Generation Drug-Eluting Stent Restenosis 4085
Hisaki Masuda (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- PE62-8 What is More Serious Risk in Prevention of Recurrent Cardiac Ischemia in Patients Who could not Achieve Appropriate LDL-C Management? 4086
Akihiro Endo (Division of Cardiology, Shimane University Faculty of Medicine, Izumo)

Poster Session 63

PCI Complex Lesions

9:00-17:00

Chairperson : Masami Nishino (Division of Cardiology, Osaka Rosai Hospital, Sakai)

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

- PE63-1 Perivascular Adipose Tissue Inflammation on Coronary Computed Tomography in Patients with Vasospastic Angina 4087
Hiroki Ueno (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)

PE63-2	Bench Test for Optimal Repetitive Proximal Optimizing Technique Using Multimodality Imaging	4088
	Teruyoshi Kume (Department of Cardiology, Kawasaki Medical School, Kurashiki)	
PE63-3	Clinical Outcomes Following Percutaneous Coronary Intervention for Bifurcation Lesions: Kissing Balloon Inflation vs. Alternate Expansion	4088
	Yusuke Hitora (Department of Cardiology, Nagoya University School of Medicine, Nagoya)	
PE63-4	Impact of the Degree of Wire Bias in the Healthy Part on Coronary Artery Perforation in Rotational Atherectomy	4089
	Yoshitaka Kawaguchi (Seirei Mikatahara General Hospital, Hamamatsu)	
PE63-5	Withdrawn	4089
PE63-6	Withdrawn	4090

Poster Session 64

Thromboembolism 2

9:00-17:00

Chairperson : Kyosuke Takeshita (Saitama Medical Center Saitama Medical University, Saitama)

Chairperson : Tadakazu Hirai (Fujikoshi Hospital, Toyama)

PE64-1	Periprocedural Bleeding Complications in Elderly Patients Undergoing Catheter Ablation for Atrial Fibrillation with Warfarin: Comparison with Direct Oral Anticoagulants	4091
	Daisuke Horiuchi (Department of Cardiology, Hirosaki University School of Medicine, Hirosaki)	
PE64-2	Reduced-dose Direct-oral-anticoagulants with Clopidogrel Immediately after DES Implantation is a Feasible Therapeutic Option in High-bleeding-risk Patients with Atrial Fibrillation	4092
	Ryosuke Yahiro (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)	
PE64-3	Impact of Preprocedural Nutrition Score to Predict Bleeding Events Compared with Previous Risk Assessment Score in Elderly Japanese Patients	4092
	Kentaro Mitsui (Japanese Red Cross Musashino Hospital, Department of Cardiology, Musashino City)	
PE64-4	The Efficacy of the Trans-esophageal Echocardiography to Detect the Left Atrial Thrombus in Atrial Fibrillation Patients with Low CHADS2 Score	4093
	Yoshitaka Ito (Department of Cardiology, Aichi Medical University School of Medicine, Nagakute)	
PE64-5	Establishment of Novel Murine Venous Thromboembolism Model	4093
	Mitsumasa Okano (Division of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)	
PE64-6	Internal Jugular Vein Thrombosis in a Patient with Hodgkin Lymphoma	4094
	Katherine Ann N. Tan (University of Santo Tomas Hospital, Republic of the Philippines)	
PE64-7	Efficacy of Direct Oral Anticoagulant in Treatment of Left Atrial Appendage Thrombus in Patients with Atrial Fibrillation	4094
	Kenji Morihisa (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)	
PE64-8	Elevation of Plasma Concentration Levels during Time Course of Rivaroxaban Treatment in Patients with Non-valvular Atrial Fibrillation	4095
	Michihiro Suwa (Department of Cardiology, Hokusetsu General Hospital, Takatsuki, Osaka)	

ポスターセッション 1

ACS (Diagnosis) 1

9:00-17:00

座長 : 塩出 宣雄 (広島市立広島市民病院循環器内科)

PJ1-1	Prospective Validation of the 0/1-h Triage Algorithm Using High-sensitivity Cardiac Troponin I for Acute Myocardial Infarction	4096
	大竹 弘隆 (藤田医科大学 救急総合内科)	
PJ1-2	Implementation of ESC 0-hour/1-hour Algorithm in Asian Acute Care Hospitals in Very Early Presenters after Chest Discomfort Onset	4097
	塩崎 正幸 (順天堂大学医学部附属練馬病院 循環器内科)	
PJ1-3	演題取り下げ	4097

PJ1-4	Incidence Rate of Acute Coronary Syndrome in Super-aged Society in Nobeoka City -Nobeoka Study-	4098
	尾形 宗士郎 (藤田医科大学 保健衛生学部看護学科)	
PJ1-5	Age is not a Prognostic Factor for Out-of-hospital Cardiac Arrest Due to Myocardial Ischemia in Late Elderly People	4098
	黒木 識敬 (東京都立墨東病院 循環器科)	
PJ1-6	Association between Endothelial Function and Gait Speed as a Measure of Frailty after Myocardial Infarction	4099
	中橋 秀文 (横浜市立大学 市民総合医療センター 心臓血管センター)	
PJ1-7	Impact of Residual Thrombus after Aspiration Thrombectomy on Clinical Outcomes in Patients with ST-segment Elevation Myocardial Infarction	4099
	遠藤 知秀 (弘前大学 循環器内科)	
PJ1-8	Cardiopulmonary Exercise Test Variables at the Hospitalization and Cardio Vascular Events after Acute Myocardial Infarction	4100
	布廣 龍也 (長崎みなとメディカルセンター 心臓血管内科)	

ポスターセッション 2

AF Ablation Method 1

9:00-17:00

座長：村上 善正 (名古屋市立東部医療センター)
座長：川治 徹真 (三菱京都病院心臓内科)

PJ2-1	Impact of Ultra High-density Mapping as a Predictor of Success for AF Second Ablation	4101
	池田 礼史 (埼玉医科大学国際医療センター 心臓内科)	
PJ2-2	One-year Outcome after Ablation Guided by Spatiotemporal Electrogram Dispersion in Patients Undergoing Pulmonary Vein Isolation for Non-paroxysmal Atrial Fibrillation	4102
	加藤 浩司 (福井厚生病院 循環器内科)	
PJ2-3	Correlation between dV/dt and Local Conduction Velocity in Patients with Atrial Fibrillation	4102
	山下 周 (亀田総合病院 循環器内科)	
PJ2-4	Implications of High-density Mapping with the CARTO3 CONFIDENCE Module for Identifying the Critical Substrate in Patients with Non-paroxysmal Atrial Fibrillation	4103
	兵頭 洋平 (広島市民病院 循環器科)	
PJ2-5	Analysis of Driving Mechanism in Paroxysmal Atrial Fibrillation: Comparison of the Activation Sequence between the Left Atrium and Pulmonary Vein	4103
	木山 卓也 (熊本大学 循環器病態学)	
PJ2-6	Reduced Atrial Conduction Velocity was Associated with the Recurrence of Atrial Fibrillation after Catheter Ablation: Insight from an Electro-anatomical Mapping	4104
	佐藤 哲郎 (北里大学 循環器内科学)	
PJ2-7	Two-staged Hybrid Catheter and Thoracoscopic Surgical Ablations for Non-valvular Atrial Fibrillation	4104
	加藤 賢 (東京都立多摩総合医療センター 循環器内科)	
PJ2-8	Evaluation of Left Atrial Posterior Wall Isolation Using Indirect Lesion Depth Assessment	4105
	吉山 智貴 (大阪市立大学大学院医学研究科 循環器内科学)	

ポスターセッション 3

Cardiomyopathy (Clinical) 2

9:00-17:00

座長：時田 祐吉 (日本医科大学付属病院循環器内科)

PJ3-1	Echo Parameters for Differential Diagnosis in Cardiac Amyloidosis	4106
	神田 貴弘 (浜松赤十字病院 循環器科)	
PJ3-2	Clinical Features of Cardiac Amyloidosis in Patients with Left Ventricular Hypertrophy; The Results from Nara Medical University Myocardial Biopsy Registry	4107
	中野 知哉 (大和高田市立病院 循環器内科)	
PJ3-3	Occult Cardiac Amyloid Deposition in Japanese Elderly Patients: An Autopsy Study	4107
	吉澤 佐恵子 (東京女子医科大学 病理学 (実験病理学分野))	

- PJ3-4 Clinical Prognosis and Characteristics from Stratification of the Histological Pattern and Degree of Amyloid Deposition in Patients with Cardiac Amyloidosis 4108
曾根 浩元 (国立循環器病研究センター 病理部)
- PJ3-5 Long-term Prognosis and Cardiac Involvement in Patients with Extra Cardiac Sarcoidosis 4108
金森 範夫 (市立島田市民病院 循環器内科)
- PJ3-6 Relapse of Active Inflammation Assessed by Serial ¹⁸F-fluorodeoxyglucose Positron Emission Tomography in Cardiac Sarcoidosis during the Long-term Corticosteroid Therapy 4109
矢崎 善一 (佐久総合病院佐久医療センター)
- PJ3-7 Negative Scan for Technetium-99m Pyrophosphate Scintigraphy Has a Detrimental Effect on Survival in Wild-Type Transthyretin Cardiac Amyloidosis 4109
長友 慶子 (宮崎大学 内科学講座循環体液制御学分野)
- PJ3-8 Diagnosis of Isolated Cardiac Sarcoidosis on the Basis of Japanese Circulation Society Guidelines 4110
河合 秀樹 (藤田医科大学 循環器内科)

ポスターセッション 4

Echocardiography 2

9:00-17:00

座長：天野 雅史 (国立循環器病研究センター心臓血管内科)
座長：山野 哲弘 (京都府立医科大学臨床検査部、循環器内科)

- PJ4-1 Contrast-Enhanced Ultrasound Overlay Imaging of Carotid Plaque Neovascularization is Useful for Identifying Risk for Cardiovascular Events 4111
出山 順太郎 (山梨大学 第二内科)
- PJ4-2 Three-Dimensional Speckle-Tracking Echocardiography for Estimation of Left Ventricular Filling Pressure in Patients with Left Ventricular Asynergy 4112
岡田 大司 (浜田医療センター 循環器内科)
- PJ4-3 Evaluation of Myocardium Using Shear Wave Elastography in Monocrotaline-induced Pulmonary Hypertension Rat Heart 4112
中山 理絵 (岡山大学 循環器内科学)
- PJ4-4 Prognostic Value of Automated Measurement of Mitral Annular Displacement by Speckle-tracking Echocardiography in Asymptomatic Patients with Severe Aortic Stenosis 4113
寺口 郁子 (和歌山県立医科大学 循環器内科)
- PJ4-5 Reverse Deformation of the Mitral Annulus Early after Percutaneous Mitral Valve Edge-to-Edge Repair: Serial Quantitative Analysis by 3D Transesophageal Echocardiography 4113
木村 俊之 (宮崎市医師会病院 心臓病センター 循環器科)
- PJ4-6 Evaluation Regional Left Atrial Function by Speckle Tracking Imaging Using Intracardiac Echocardiography 4114
井上 耕一 (桜橋渡辺病院 循環器内科)
- PJ4-7 L Wave was Associated with Left Atrial Conduit Function in Heart Failure Patients 4114
正井 久美子 (兵庫医科大学 内科学 循環器・腎透析内科)
- PJ4-8 Improvement in Mitral Annular Displacement Estimated by Speckle-tracking Echocardiography after Transcatheter Aortic Valve Implantation in Patients with Aortic Stenosis 4115
西 貴弘 (和歌山県立医科大学 循環器内科)

ポスターセッション 5

Heart Failure (Ejection Fraction) 1

9:00-17:00

座長：塩路 圭介 (岸和田市民病院循環器内科)
座長：森田 英晃 (大阪医科大学附属病院第三内科)

- PJ5-1 Geriatric Nutrition Risk Index Predicts the Prognosis of Patients with Acute Decompensated Heart Failure with Preserved Ejection Fraction 4116
近藤 博和 (天理よろづ相談所病院 循環器内科)
- PJ5-2 No Improvement in LV Global Longitudinal Strain after Acute Heart Failure Admission Suggests Worse Prognosis in Patients with Preserved LVEF 4117
坂口 英林 (藤田医科大学 循環器内科学)

- PJ5-3 Heart Rate at Discharge may be a Prognostic Predictor in Atrial Fibrillation Patients with Heart Failure with Preserved Ejection Fraction 4117
堀田 幸造 (兵庫県立尼崎総合医療センター 循環器内科)
- PJ5-4 Prediction of Prognosis Using Combined Objective Nutritional Score in Acute Decompensated Heart Failure Patients with Preserved Left Ventricular Ejection Fraction 4118
阿部 誠 (大阪急性期・総合医療センター 心臓内科)
- PJ5-5 Prognostic Value of a New Systemic Nutrition-inflammation Index in Acute Decompensated Heart Failure Patients with Reduced, Mid-range and Preserved LVEF 4118
山田 貴久 (大阪急性期・総合医療センター 心臓内科)
- PJ5-6 Clinical Phenotypes for Heart Failure with Preserved Ejection Fraction: Novel Findings from Analysis with K-means Clustering 4119
原田 大輔 (射水市民病院 循環器内科)
- PJ5-7 Reduced Brain Activity is Associated with Anxiety and Cognitive Function in Patients with Heart Failure as Measured by Near-infrared Spectroscopy 4119
一條 靖洋 (福島県立医科大学 循環器内科学講座)
- PJ5-8 Characteristic of Heart Failure Rehospitalization after Acute Myocardial Infarction: Results from NARA-MI Study 4120
鴨門 大輔 (奈良県立医科大学 循環器内科)

ポスターセッション 6

Heart Failure (Ejection Fraction) 2

9:00-17:00

座長: 林 浩也 (大阪市立大学大学院医学研究科循環器内科学)
座長: 廣岡 良隆 (高木病院高血圧・心不全センター/国際医療福祉大学)

- PJ6-1 演題取り下げ 4121
- PJ6-2 Machine Learning for Prediction of Re-Hospitalization in Heart Failure Patients with Preserved, Mid Ranged, and Reduced Ejection Fraction 4122
渡邊 直樹 (大垣市民病院)
- PJ6-3 Left Atrial Dysfunction Underlying Heart Failure Associated with Atrial Fibrillation in Patients with Preserved Left Ventricular Ejection Fraction 4122
北田 修一 (名古屋市立大学 循環器内科)
- PJ6-4 Predictors of Rehospitalization in Patients with Heart Failure Treated with Tolvaptan: Single Center Cohort Study 4123
三ツ橋 佑哉 (東京都立多摩総合医療センター 循環器内科)
- PJ6-5 Sex Difference of Beta-blocker Effect in Patients with Heart Failure Preserved Ejection Fraction 4123
原田 栄作 (熊本加齢医学研究所・熊本機能病院 循環器科)
- PJ6-6 Who would be Disadvantaged from B Blocker in HFpEF? 4124
藤澤 友輝 (心臓血管研究所附属病院)
- PJ6-7 演題取り下げ 4124
- PJ6-8 Heart Failure with Recovered Ejection Fraction Has Better Prognosis than Heart Failure with Reduced Ejection Fraction 4125
石橋 洋平 (群馬大学医学部附属病院 循環器内科)

ポスターセッション 7

PCI New Technology/Device

9:00-17:00

座長: 桃原 哲也 (社会医療法人財団石心会川崎幸病院)
座長: 芹川 威 (福岡和白病院)

- PJ7-1 Retrospective Comparison of Midterm Clinical Outcomes after Drug-coated Balloon Dilation versus Drug-eluting Stents Placement for De novo Stenosis in Large Vessel 4126
中村 日出彦 (獨協医科大学埼玉医療センター 循環器内科)
- PJ7-2 Efficacy of Drug-coated Balloon Angioplasty after Rotational Atherectomy in Patients with Heavily Calcified Lesion 4127
竹中 克彦 (国立病院機構九州医療センター 循環器内科、臨床研究部)

PJ7-3	Impact of Neointimal Tissue Characteristics on Excimer Laser Coronary Angioplasty and Paclitaxel-Coated Balloon Combination Therapy for In-stent Restenosis	4127
	檜垣 忠直 (広島市立広島市民病院)	
PJ7-4	Impact of Lipid Lowering Therapy on Quantitative Flow Rate of The Moderate Coronary Stenosis	4128
	竹中 仁 (山口大学 器官病態内科学)	
PJ7-5	Impact of Stentless Strategy by Directional Coronary Atherectomy Plus Drug Coated Balloon for de-novo Lesions	4128
	本田 泰悠 (宮崎市郡医師会病院 心臓病センター 循環器科)	
PJ7-6	New Volumetric Analysis Method for Stent Expansion may Become the Better Predictor for TLR Compared with Conventional Method	4129
	河村 明希登 (大阪労災病院 循環器内科)	
PJ7-7	Non-homogeneous In-Stent Restenosis Pattern Including Heterogeneous and Neoatherosclerosis is Associated with Rising Neutrophil-to-Lymphocyte Ratio	4129
	河村 明希登 (大阪労災病院 循環器内科)	
PJ7-8	Clinical Experience of Directional Coronary Atherectomy Followed by Drug-coated Balloon Dilatation	4130
	片岡 一明 (高の原中央病院 循環器内科)	

ポスターセッション 8

PCI Others 1

9:00-17:00

座長：渡部 宏俊 (京都大学医学研究科循環器内科学)
座長：谷口 良司 (兵庫県立尼崎病院総合医療センター)

PJ8-1	The Lipid Core Burden Index is Associated with Microcirculatory Dysfunction Even in Stable Angina Pectoris; Insights from Intracoronary Electrocardiogram	4131
	佐藤 貴雄 (立川総合病院 循環器内科)	
PJ8-2	Feasibility, Safety, and Long-term Outcome of Zero Contrast Percutaneous Coronary Intervention	4132
	柴田 恵多 (昭和大学江東豊洲病院 循環器センター 循環器内科)	
PJ8-3	Clinical Utility of the Triglyceride-Glucose Index, a Novel Marker of Insulin Resistance, for Predicting the Neointimal Vulnerability after Everolimus-Eluting Stent	4132
	阿久津 尚孝 (日本大学医学部附属板橋病院 内科学系循環器内科分野)	
PJ8-4	Initial and Late Followed Results of Paclitaxel-Coated Balloon (PCB) Angioplasty for Coronary Lesions	4133
	油尾 亨 (心臓血管センター 金沢循環器病院 循環器内科)	
PJ8-5	Efficacy of Excimer Laser to Recurrent In-stent Restenosis Evaluated with Optical Coherence Tomography	4133
	桑原 大門 (宮崎市郡医師会病院 心臓病センター 循環器科)	
PJ8-6	Additional Prescription of Direct Oral Anticoagulant Increase Short-term Bleeding Event after Percutaneous Coronary Intervention	4134
	海老原 卓 (東京女子医科大学 循環器内科学)	
PJ8-7	Drug-drug Interaction between Vonoprazan and Prasugrel on Antiplatelet Effect Assessed by VerifyNow P2Y12 Assay after Drug-eluting Stents Implantation	4134
	古賀 聖士 (長崎大学病院 循環器内科)	
PJ8-8	The Impact of Optical Coherence Tomography Findings on In-stent Restenosis after Drug-eluting Stent Implantation in Patients on Chronic Hemodialysis	4135
	杉田 洋 (関西医科大学 第二内科)	

ポスターセッション 9

Molecular Biology/Genetics

9:00-17:00

座長：小田 哲郎 (山口大学医学部附属病院第二内科)
座長：名越 智古 (東京慈恵会医科大学内科学講座循環器内科)

PJ9-1	Proteomic Analysis to Identify Novel Binding Proteins of Protein Arginine Methyltransferase 5 in Hearts	4136
	曾布川 実里 (静岡県立大学 分子病態学分野)	

PJ9-2	A Novel Genetic Variation at RBAK Gene Locus is Associated with Highly Sensitive Troponin-T Levels in a General Japanese Population	4137
	那須 崇人 (岩手医科大学 循環器内科・生体情報解析部門)	
PJ9-3	Enhanced Mitochondrial Protein Acetylation in Heart Failure with Preserved Ejection Fraction	4137
	山田 敏寛 (熊本大学病院 循環器内科学分野)	
PJ9-4	Mutational Analysis of β -arrestin in Japanese Patients with Coronary Spastic Angina	4138
	山田 奈津美 (弘前大学 循環器内科)	
PJ9-5	miR-33b Has More Impact on The Formation of Insulin Resistance and Atherosclerosis than miR-33a	4138
	堀江 貴裕 (京都大学)	
PJ9-6	An Efficient and Rapid Approach for Generating Hematopoietic Cell Specific Gene Targeted Mice Using CRISPR/Cas9-Lentivirus System	4139
	小川 隼人 (バージニア大学医学部 ロバート M ベルン心血管研究所)	
PJ9-7	Age-Related Vascular Dysfunction of the Aorta in Rats with Metabolic Syndrome	4139
	河合 夢乃 (名古屋大学大学院医学系研究科 医療技術学専攻 病態解析学講座)	
PJ9-8	The Critical Roles of Coagulation Factors in Inducing Brown Adipose Tissue Dysfunction and Systemic Metabolic Disorder in Obesity	4140
	林 由香 (新潟大学大学院医歯学総合研究科 循環器内科学)	

ポスターセッション 10

Atherosclerosis (Basic/Diagnosis)

9:00-17:00

座長：芝田 貴裕 (東京慈恵会医科大学附属第三病院循環器内科)

座長：竹内 利治 (旭川医科大学循環器内科)

PJ10-1	Lack of Sirt7 Inhibited Atherosclerosis Progression by Regulating IRE1 Related ER Stress Response	4141
	荒木 智 (熊本大学大学院 生命科学研究部 循環器内科学)	
PJ10-2	演題取り下げ	4142
PJ10-3	Angiotensin Receptor-Neprilysin Inhibitor Attenuated Dissecting Aortic Aneurysm, and Its Protective Effect was Inhibited by Angiotensin Type 2 Receptor Blockage	4142
	田代 浩平 (福岡大学 心臓・血管内科学)	
PJ10-4	Can Volume Elastic Modulus of the Brachial Artery be a Predictor of Organic Coronary Stenosis?	4143
	大下 千景 (JR 広島病院 循環器内科)	
PJ10-5	演題取り下げ	4143
PJ10-6	Gene Mutation is the Important Cardiovascular Risk in Familial Hypercholesterolemia	4144
	関口 治樹 (東京女子医科大学 循環器内科学)	
PJ10-7	Statins Stabilize Carotid Atherosclerotic Plaque Instability, Leading to Decreased Luminal Thrombi: A Clinicopathological Analysis	4144
	小西 崇夫 (北海道大学病院 循環器内科)	
PJ10-8	演題取り下げ	4145

ポスターセッション 11

CT/MRI 2

9:00-17:00

座長：江原 省一 (大阪市立大学大学院医学研究科循環器内科学)

座長：谷口 泰代 (兵庫県立姫路循環器病センター循環器内科)

PJ11-1	Impact of Renal Dysfunction on the Choice of Diagnostic Imaging and Outcomes in Patients with Stable Angina	4146
	加藤 貴雄 (京都大学大学院医学研究科 循環器内科)	
PJ11-2	演題取り下げ	4147

PJ11-3	Identification of Risk Factors for Delayed Circulation Time Obtained from Cardiac Computed Tomography	4147
	谷口 琢也 (京都府立医科大学 循環器内科)	
PJ11-4	A Study of Heart Valve Calcification Using Coronary CT Angiography	4148
	加茂 夕紀 (順天堂医院 循環器内科学)	
PJ11-5	Age-related Disparities in the Association between Epicardial Adipose Tissue Volume and Coronary Plaque Morphology	4148
	石尾 直樹 (千葉市立青葉病院 循環器内科)	
PJ11-6	The Optimal Point of CT-FFR Measurement in Comparison with Invasive FFR	4149
	宮島 桂一 (藤田医科大学 循環器内科)	
PJ11-7	Positive Correlation between Epicardial Adipose Tissue Volume and Albuminuria Assessed by CT Angiography	4149
	石尾 直樹 (千葉市立青葉病院 循環器内科)	
PJ11-8	Association between Coronary Artery Calcium Score and Resting Physiological Indices Gray Zone	4150
	有村 俊博 (社会医療法人天陽会中央病院 循環器内科)	

ポスターセッション 12

ACS (Pathophysiology) 1

9:00-17:00

座長：高橋 徹 (秋田循環器脳脊髄センター循環器内科)
 座長：若槻 哲三 (徳島大学病院循環器内科)

PJ12-1	Impact of Cholesterol Crystals at Culprit Lesion Observed by Optical Coherence Tomography on Plaque Vulnerability in Acute Myocardial Infarction Patients	4151
	兵頭 洋平 (広島市民病院 循環器科)	
PJ12-2	Morphology of Culprit Plaque Calcification in Acute Coronary Syndrome without Plaque Rupture	4152
	小林 佑輔 (広島市立安佐市民病院 循環器内科)	
PJ12-3	Heart CT Evaluate Criteria of Myocardial Hemorrhage which Resulted in Worse Outcome of LV Salvage in Anterior AMI	4152
	村田 有 (甲府城南病院 循環器科)	
PJ12-4	Comparison of Mortality and Cardiac Event Rate between Recurrent and Initial Myocardial Infarction Patients	4153
	岡部 浩哉 (倉敷中央病院 循環器内科)	
PJ12-5	On-admission Neutrophil-lymphocyte Ratio: Associations with Coronary Calcification in Acute Myocardial Infarction	4153
	小林 佑輔 (広島市立安佐市民病院 循環器内科)	
PJ12-6	Association between Platelet Thrombus Formation Ability during Primary Percutaneous Coronary Intervention and Increased Leukocyte in Patients with ST-elevation Myocardial Infarction	4154
	菊地 進之介 (横浜市立大学附属市民総合医療センター 心臓血管センター内科)	
PJ12-7	Serum Total Bilirubin Level: A Novel Indicator of Plaque Rupture in Acute Coronary Syndrome	4154
	永井 道明 (広島市立安佐市民病院 循環器科)	
PJ12-8	Impact of Cholesterol Crystal at Non-Culprit Plaque Observed by Optical Coherence Tomography on Long-term Outcome after Acute Myocardial Infarction	4155
	兵頭 洋平 (広島市民病院 循環器科)	

ポスターセッション 13

Intravascular Imagings 2

9:00-17:00

座長：亀山 剛義 (東北医科薬科大学)
 座長：李 哲民 (東京医科歯科大学循環制御内科学)

PJ13-1	Impact of Visit-to-Visit Variability in Blood Pressure on Coronary Plaque as Assessed by Integrated Backscatter Intravascular Ultrasound	4156
	加藤 悠太 (福岡大学 心臓血管内科学)	
PJ13-2	Comparisons of Arterial Healing Response Following Implantation of Durable-Polymer or Biodegradable-Polymer Drug-eluting Stent in Patients with Old Myocardial Infarction	4157
	石田 健太郎 (福井大学医学部 循環器内科学)	

- PJ13-3 Residual Plaque by Initial Intravascular Ultrasound Evaluation Predicts In-Stent Yellow Plaque on Chronic Coronary Angioscopy after Third-Generation Drug-eluting Stent Implantation 4157
新井 陸 (日本大学 循環器内科)
- PJ13-4 Better Arterial Healing after Ultrathin Strut Biodegradable Polymer Sirolimus-eluting Stent Implantation (From a Coronary Angioscopic Study) 4158
臺 和興 (広島市民病院 循環器内科)
- PJ13-5 The Relationship between Post-Stent Irregular Protrusion and High Intensity Plaque in Elective PCI -OCT and CMR Study- 4158
大谷 暢史 (筑波大学 医学医療系循環器内科)
- PJ13-6 Risk Stratification of Intravascular Ultrasound-guided Percutaneous Coronary Intervention in Patients with DM and CKD 4159
佐藤 良太 (熊本大学 循環器内科)
- PJ13-7 Imaging of Calcium Compounds Deposited in Human Coronary Plaques Using Near-Infrared Fluorescent Angioscopy 4159
小林 隆信 (船橋二和病院 循環器科)
- PJ13-8 Impact of Lipid Component Detected by NIRS-IVUS on the Occurrence of Microvascular Obstruction after PCI in STEMI 4160
寺田 幸誠 (和歌山県立医科大学 循環器内科学)

ポスターセッション 14

Nuclear Imaging 1

9:00-17:00

座長：肥田 敏 (東京医科大学循環器内科)
座長：鈴木 章弘 ((株) 日立製作所日立総合病院心臓病センター・心臓内科)

- PJ14-1 Effect of Immunosuppressants on Myocardial Inflammation Assessed by ¹⁸F-fluorodeoxyglucose Positron Emission Tomography for Cardiac Sarcoidosis Resistant to Corticosteroids 4161
山本 勇輝 (佐久総合病院佐久医療センター 循環器内科)
- PJ14-2 Association between Myocardial Flow Reserve and High-risk Plaque: Hybrid Analysis of NH3-PET and Coronary CT Angiography 4162
山本 篤志 (東京女子医科大学病院 循環器内科/画像診断核医学科 兼務)
- PJ14-3 Relationship between ¹⁸F-FDG PET Uptake and Calcification in the Aorta among Non-Cancer Patients 4162
岡村 由利子 (東邦大学医学部内科学講座 循環器内科学分野)
- PJ14-4 Fusion Imaging of Cardiac Magnetic Resonance/¹⁸F-fluorodeoxyglucose Positron Emission Tomography for Assessing Active Cardiac Sarcoidosis 4163
副島 奈央子 (近畿大学 循環器内科学)
- PJ14-5 Stress Myocardial Blood Flow as a Prognostic Predictor for Major Adverse Cardio-cerebrovascular Event in Hemodialysis Patients without Myocardial Perfusion Abnormality 4163
大島 寛 (名古屋共立病院 循環器内科)
- PJ14-6 Evaluation of Biventricular Function from Gated Blood-Pool SPECT Using CZT-SPECT 4164
小林 敦 (榊原記念病院 循環器内科)
- PJ14-7 Differences in Cardiac Sympathetic Nerve Activation in Heart Failure with Preserved Ejection Fraction Patients -New Cutoff Value Ejection Fraction 58%- 4164
後藤 利彦 (名古屋市立大学 循環器内科)
- PJ14-8 Possible Role of Left Ventricular Mechanical Dyssynchrony in Cognitive Function in Patients with Non-ischemic Heart Diseases 4165
石川 昌弘 (日本医科大学 武蔵小杉病院 循環器内科)

ポスターセッション 15

Nuclear Imaging 2

9:00-17:00

座長：竹花 一哉 (関西医科大学内科学第二講座)
座長：門上 俊明 (福岡県済生会二日市病院循環器内科)

- PJ15-1 Association between Heart Rate Variability at Acquisition and Transient Ischemic Dilatation in Adenosine-loading Stress Myocardial Perfusion Imaging 4166
鬼塚 久充 (宮崎大学 内科学講座循環体液制御学分野)

- PJ15-2 Quantitative Evaluation of Cardiac Fatty Acid Metabolism Pre and Post Prednisolone Therapy in Patients with Cardiac Sarcoidosis 4167
山本 篤志 (東京女子医科大学病院 循環器内科/画像診断核医学科 兼務)
- PJ15-3 Accelerated Clearance of (99m) Tc-MIBI could Predict Regional Functional Improvement after Acute Myocardial Infarction 4167
陳 博敏 (大阪府済生会野江病院 循環器科)
- PJ15-4 Incremental Prognostic Value of Adenosine Stress SPECT MPI for Predicting Cardiac Events: Comparison of TID and Stress Phase Bandwidth 4168
藤戸 秀聡 (日本大学 循環器内科)
- PJ15-5 Prognostic Implications of Standardized Cardiac Sympathetic Nerve Impairment in Moderate-to-high Systolic Heart Failure 4168
土井 崇裕 (手稲溪仁会病院 循環器内科)
- PJ15-6 Concordance between Fractional Flow Reserve and Stress Myocardial Perfusion Imaging for the Diagnosis of Ischemic Heart Disease 4169
川村 一太 (岐阜ハートセンター 循環器内科)
- PJ15-7 Noninvasive Risk Stratification of Coronary Revascularization in Patients with Normal and Mild Ischemia Detected by Nuclear Myocardial Perfusion Imaging 4169
鈴木 康之 (日本大学病院 循環器内科)
- PJ15-8 Improvement of Left Ventricular Mechanical Dyssynchrony after Treatment Results in Good Prognosis in Patient with Coronary Artery Disease 4170
堀 祐輔 (日本大学 循環器内科)

ポスターセッション 16

Prevention 3

9:00-17:00

座長: 古川 佳子 (山王メディカルセンター循環器内科)
座長: 長島 仁 (土別市立病院循環器内科)

- PJ16-1 White Blood Cell Count Predicts Cardiovascular Prognosis in Type 2 Diabetic Patients with Established Coronary Artery Disease 4171
河邊 篤彦 (獨協医科大学日光医療センター 心臓・血管・腎臓内科)
- PJ16-2 Considerably High Proportions of Untreated Subjects with Atrial Fibrillation among Community Dwellers were Observed Especially in the High CHA2DS2-VASc-score Group 4172
腰山 誠 (公益財団法人岩手県予防医学協会 医療技術部)
- PJ16-3 Are Elevations of Asymmetric Dimethylarginine or Homocysteine Levels Associated with All-cause Death? The Longitudinal Study from the Tanushimaru Survey 4172
豊増 謙太 (久留米大学医学部 内科学講座 心臓・血管内科部門)
- PJ16-4 Relationship between Coronary Spastic Angina and Unsaturated Fatty Acids by Smoking 4173
秋岡 秀文 (大分大学医学部附属病院 循環器内科・臨床診断学講座)
- PJ16-5 Associations between Smoking Habits and Major Adverse Cardiovascular Events or the Presence or Severity of Coronary Stenosis 4173
東 沙羅 (福岡大学 心臓血管内科学)
- PJ16-6 Serum Insulin-like Growth Factor (IGF)-1 Level was Significantly Associated with Handgrip Strength and Walk 5 Meters in General Population 4174
野原 夢 (久留米大学医学部内科学講座 心臓・血管内科)
- PJ16-7 PCSK9 is Independently Associated with Insulin Resistance and Triglycerides Levels but not LDL-C and Lipoprotein (a) in a General Population 4174
濱村 仁士 (久留米大学 内科 心臓・血管内科)
- PJ16-8 Complications and Treatments in Heart Failure Patients with Long-term Care Insurance 4175
藤木 伸也 (新潟大学大学院 医歯学総合研究科 循環器内科学分野)

ポスターセッション 17

CT/MRI 4

9:00-17:00

座長: 船橋 伸禎 (千葉大学大学院医学研究院循環器内科学)
座長: 國本 聡 (川口市立医療センター循環器科)

- PJ17-1 Hypo-intense Infarct Cores Reflect Acute Severity and Hard to Expect Remote Left Ventricular Reverse Remodeling in Reperfused Myocardial Infarction Patients 4176
橋本 行弘 (奈良県立医科大学 循環器・腎臓・代謝内科)
- PJ17-2 Right Ventricular Longitudinal Strain with CMR More Accurately Estimates Right Ventricular Contractile Properties in Rats with Pulmonary Arterial Hypertension 4177
染谷 柚夏 (東北大学 臨床生理検査学)
- PJ17-3 Right Atrial and Ventricular Strain Impaired by Interstitial Lung Disease in Systemic Sclerosis: Analysis of Tissue-tracking of Magnetic Resonance Imaging 4177
坂井 晶子 (東京女子医科大学 循環器内科学)
- PJ17-4 Maximum Standardized Uptake Value of Pericardial Fat for Prediction of Hospitalization Due to Heart Failure in Patients with Cardiac Sarcoidosis 4178
石井 悠海 (大分大学 循環器内科・臨床検査診断学講座)
- PJ17-5 Assessment of Focal Myocardial Scar by Native T1 Value in Sarcoidosis Patients: Comparison with Late Gadolinium Enhancement Cardiac Imaging 4178
川上 亮 (群馬大学 循環器内科)
- PJ17-6 Progression of Apical Hypertrophic Cardiomyopathy by Cardiac Magnetic Resonance 4179
伊藤 順子 (CVIC 心臓画像クリニック飯田橋)
- PJ17-7 Native T1 Mapping Using 3 Tesla MRI is Useful for Detection of Myocardial Fibrosis 4179
後藤 宏樹 (東千葉メディカルセンター 循環器内科)
- PJ17-8 Localized Thinning of the Left Ventricular Apex: Unexpectedly Common Findings and Its Clinical Implications 4180
山本 恭子 (神戸大学医学部附属病院 循環器内科学)

ポスターセッション 18

TAVI 3

9:00-17:00

座長: 村中 敦子 (札幌医科大学)
座長: 福田 幸弘 (広島大学循環器内科学)

- PJ18-1 Decline in Left Ventricular Ejection Fraction during Follow-up in Patients with Severe Aortic Stenosis 4181
南野 恵里 (京都大学大学院医学研究科 循環器内科学)
- PJ18-2 The Presence of Very Severe Aortic Stenosis is not Prognostic Factor in Transcatheter Aortic Valve Implantation 4182
西岡 健司 (広島市立 広島市民病院 循環器科)
- PJ18-3 Prevalence and Impact of Peripheral Artery Disease in Severe Aortic Stenosis Patients Treated by Transcatheter Aortic Valve Implantation 4182
傍島 光男 (富山大学 第二内科)
- PJ18-4 Risk Stratification of Long-term Mortality after Transcatheter Aortic Valve Implantation: A Multi-center Analysis 4183
土屋 隼人 (山形大学 循環・呼吸・腎臓内科学)
- PJ18-5 Changes in Post-Operative Complication Rates in Transcatheter Aortic Valve Implantation: Japanese Multicenter Registry 4183
高畑 葵 (山形大学 循環・呼吸・腎臓内科学)
- PJ18-6 TAVI for Bicuspid Severe Aortic Stenosis Using Balloon-Expandable Valve: Importance of Bicuspid Valve Type Assessment 4184
上嶋 亮 (聖マリアンナ医科大学 循環器内科)
- PJ18-7 One-year Follow-up of Pacing Dependency after Transcatheter Aortic Valve Implantation 4184
間瀬 圭 (榊原記念病院 循環器内科)
- PJ18-8 TAVI Improves Impaired Vasodilator Capacity of Coronary Microvessels Associated with Decreased BNP Levels in Patients with Severe Aortic Stenosis 4185
土屋 聡 (東北大学 循環器内科学)

ポスターセッション 19

Atherosclerosis (Pathophysiology)

9:00-17:00

座長: 宇随 弘泰 (福井大学医学部循環器内科)
座長: 田中 幸一 (市立三次中央病院循環器内科)

PJ19-1	Asymptomatic Cerebral Infarction is a Predictor of Long-Term Survival and Vascular or Limb Events in Peripheral Arterial Disease	4186
	熊倉 久夫 (北関東循環器病院 内科)	
PJ19-2	Effect of Anagliptin versus Sitagliptin on Inflammatory Markers -Sub-Analyses from REASON Trial-	4187
	寺川 宏樹 (JR 広島病院 循環器内科)	
PJ19-3	Mechanisms of Calcified Common Femoral Artery Disease	4187
	赤堀 宏州 (兵庫医科大学 循環器・腎透析内科学)	
PJ19-4	Fib4 Index for Liver Fibrosis is Related with Plaque Vulnerability in Patients with Coronary Artery Disease	4188
	小山 裕 (日本大学医学部附属板橋病院 循環器内科学)	
PJ19-5	Elevated Serum Phosphate Levels at Admission are Associated with Worse Outcomes in Patients with Acute Myocardial Infarction	4188
	横山 公章 (弘前大学大学院医学研究科 循環器内科)	
PJ19-6	Possible Gender Difference in the Association between Abdominal Obesity, Chronic Inflammation, and Preclinical Atherosclerosis in the General Population	4189
	加門 辰也 (東京大学 循環器内科)	
PJ19-7	Hematocrit and Hemoglobin are Associated with Vascular Function and Vascular Structure in Men	4189
	岸本 真治 (広島大学 原爆放射線医科学研究所 ゲノム障害制御研究部門)	
PJ19-8	Histopathological Findings in Patients with Unstable Angina	4190
	中村 則人 (東海大学 循環器内科)	

ポスターセッション 20

Coronary Circulation 1

9:00-17:00

座長：木下 慎 (神戸市立医療センター中央市民病院循環器内科)
座長：高島 浩明 (愛知医科大学循環器内科)

PJ20-1	Aortic Stiffness is Associated with Coronary Microvascular Dysfunction in Patients with Non-obstructive Coronary Artery Disease	4191
	室屋 隆浩 (佐世保総合医療センター 循環器内科)	
PJ20-2	Clinical Use of the Resting Full-cycle Ratio as a Physiological Resting Index for Assessing Coronary Artery Disease	4192
	松尾 あきこ (京都第二赤十字病院 循環器科)	
PJ20-3	H ₂ O ₂ -induced Coronary Vasodilatation Compensates NO-mediated Microvascular Endothelial Dysfunction during Reactive Hyperemia in Diabetes-induced Canine Coronary Microcirculation in Vivo	4192
	矢田 豊隆 (川崎医科大学 生化学)	
PJ20-4	High Prevalence of Electrocardiogram Changes in Patients with Coronary Microvascular Spasm	4193
	鷺尾 武彦 (日本大学病院 内科学系循環器内科学分野)	
PJ20-5	Predictors of Discordance between Resting Full-Cycle Ratio and Fractional Flow Reserve in Intermediate Coronary Stenoses	4193
	本田 智大 (長崎大学病院 循環器内科)	
PJ20-6	Effect of Non-selective β -adrenergic Receptor Blocker Carvedilol for Coronary Spasm: Its Potential Therapeutic Role in Coronary Spastic Angina	4194
	野坂 匡史 (弘前大学医学部附属病院 循環器腎臓内科学講座)	
PJ20-7	Persistent Coronary Endothelial Dysfunction is Related to Atheroma Plaque Progression in the Infarct-Related Coronary Artery of AMI Survivors	4194
	堀越 健生 (山梨大学医学部附属病院/山梨大学医学部 第 2 内科)	
PJ20-8	演題取り下げ	4195

ポスターセッション 21

AF (Imaging)

9:00-17:00

座長：戸叶 隆司 (順天堂大学医学部附属浦安病院循環器内科)
座長：遠田 賢治 (荻窪病院)

PJ21-1	Improvement of Atrial Functional Mitral Regurgitation Due to Atrial Fibrillation after Catheter Ablation	4196
	大西 尚昭 (大津赤十字病院 循環器内科)	
PJ21-2	Role of the Intramural Adipose Tissue of the Interatrial Septum on Incidence of Atrial Fibrillation	4197
	安部 一太郎 (大分大学医学部附属病院 循環器内科・臨床検査診断学講座)	
PJ21-3	Clinical Significance of Left Atrial Function by Standard Doppler Indices after Atrial Fibrillation Ablation	4197
	松本 専 (JCHO 星ヶ丘医療センター 循環器内科)	
PJ21-4	Cryoballoon Ablation Induce Transient LVEF Reduction Due to Left Atrial Reservoir Dysfunction	4198
	山根 彩 (広島市立安佐市民病院 循環器内科)	
PJ21-5	Hyperenhancement of Left Atrial Wall Detected by 3D-High Resolution Late Gadolinium Enhanced Magnetic Resonance Imaging in Patients with Atrial Fibrillation	4198
	鍵本 美奈子 (神奈川県立循環器呼吸器病センター 循環器内科)	
PJ21-6	Impact of Nasal Trouble and Paranasal Images in Patients with Atrial Fibrillation	4199
	谷口 琢也 (京都府立医科大学 循環器内科)	
PJ21-7	演題取り下げ	4199
PJ21-8	The Effect of Mitral Regurgitation and Tricuspid Regurgitation on Recurrence of Atrial Fibrillation after Ablation	4200
	中村 啓二郎 (東邦大学医療センター 大橋病院 循環器内科)	

ポスターセッション 22

Emergency/Shock

9:00-17:00

座長：山口 智由 (和歌山県立医科大学救急・集中治療部)
 座長：清水 誠 (国際親善総合病院循環器内科)

PJ22-1	Prognostic Verification between IMPELLA Alone and IMPELLA with PCPS for Cardiogenic Shock	4201
	北村 美樹 (東京医科大学病院 循環器内科)	
PJ22-2	Prognostic Factors in Patients Underwent VA-ECMO in Oita Multicenter Registration Study	4202
	岡田 憲広 (大分大学医学部附属病院 循環器内科・臨床検査医学講座)	
PJ22-3	The Importance of Pulmonary and Hemodynamic Management in Patients with Venoarterial Extracorporeal Membrane Oxygenation	4202
	佐藤 崇匡 (福島県立医科大学 循環器内科学講座)	
PJ22-4	Plasma Xanthine Oxidoreductase (XOR) Activity in Patients Who Require Cardiovascular Intensive Care	4203
	柴田 祐作 (日本医科大学千葉北総病院 集中治療室)	
PJ22-5	演題取り下げ	4203
PJ22-6	Agitation during Hospitalization is not Associated with Poor Prognosis in Patients with Acute Myocardial Infarction	4204
	谷田 篤史 (仙台市医療センター仙台オープン病院 循環器内科)	
PJ22-7	Early Risk Stratification in Patients with Acute Myocardial Infarction and Cardiogenic Shock	4204
	門岡 浩介 (宮崎市郡医師会病院 循環器内科)	
PJ22-8	Effect of Negative Expiratory Airway Pressure on the Systemic Circulation: A New Strategy to Salvage Patients with Cardiogenic Shock	4205
	長澤 (萩原) 美帆子 (東邦大学 医学部薬理学講座)	

ポスターセッション 23

Lipid

9:00-17:00

座長：篠原 正和 (神戸大学大学院医学研究科疫学分野)
 座長：小関 正博 (大阪大学大学院医学系研究科循環器内科)

PJ23-1	演題取り下げ	4206
PJ23-2	Relationship between Direct Bilirubin and Lipid Profile: Analysis by Structure Equation Modeling	4207
	小川 和男 (東京慈恵会医科大学 循環器内科)	

PJ23-3	Cardiovascular Dysfunction in Heterozygous Familial Hypercholesterolemia Patients with Diabetes Mellitus	4207
	渡邊 正之介 (東京女子医科大学 循環器内科)	
PJ23-4	Usefulness of Eicosapentaenoic Acid to Arachidonic Acid Ratio as Differentiation between STEMI and NSTEMI/UA	4208
	大久保 亮 (東邦大学医学部 大森病院内科学講座循環器内科学分野)	
PJ23-5	Young Female Japanese Patients with High-risk Familial Hypercholesterolemia were at High Risk of Cardiovascular Events	4208
	今村 泰崇 (東京女子医科大学 循環器内科)	
PJ23-6	Serum Lipoprotein (a) Levels Predict Future Cardiovascular Events in Coronary Artery Disease Patients with Diabetes Mellitus	4209
	堀 光一郎 (日本大学医学部 内科学系循環器内科学分野)	
PJ23-7	Small Dense Low-Density Lipoprotein Cholesterol as a Predictor for Rapid Progression of Non-culprit Lesion in Patients with Acute Coronary Syndrome	4209
	関本 輝雄 (昭和大学 内科学講座循環器内科学部門)	
PJ23-8	People with High Non-HDL Cholesterol Have Increased Risk of High Medical Expenses in Middle-aged Male Workers	4210
	西城 由之 (日本医科大学付属病院 心臓血管集中治療科)	

ポスターセッション 24

Kidney 2

9:00-17:00

座長：中川 靖章 (京都大学大学院医学研究科循環器内科)
座長：本多 勇晴 (獨協医科大学病院腎臓・高血圧内科)

PJ24-1	演題取り下げ	4211
PJ24-2	An Elevated Urinary Liver-Type Fatty Acid-Binding Protein/Creatinine Ratio One Day after Percutaneous Coronary Intervention is Related to Worsening Renal Function	4212
	吉原 史樹 (国立循環器病研究センター 腎臓・高血圧内科)	
PJ24-3	Does Combined Use of Low-molecular-weight Dextran Lead to Suppression of Contrast-induced Nephropathy on Optical Coherence Tomography Examination?	4212
	岡部 宏樹 (産業医科大学 循環器・腎臓内科)	
PJ24-4	演題取り下げ	4213
PJ24-5	Effect of an Oral Adsorbent, AST-120, on Oxidative Stress and Long-term Outcomes in Chronic Kidney Disease Patients with Cardiovascular Disease	4213
	豊田 茂 (獨協医科大学 心臓・血管内科/循環器内科)	
PJ24-6	Juzen-taiho-to Ameliorates Renal Injury and Neutrophil/Lymphocyte Ratio Elevation in Chronic Renal Failure	4214
	伊藤 都裕 (兵庫医療大学 薬学部)	
PJ24-7	Continuous Blood Pressure Control Inhibits Progression of Proteinuria in 10-year Follow-Up Diabetic Patients	4214
	副島 弘文 (熊本大学 保健センター)	
PJ24-8	Relationship between Change Rate of Estimated Glomerular Filtration Rate in One Year and Prognosis	4215
	福本 勝文 (心臓血管研究所付属病院 循環器内科)	

ポスターセッション 25

Diabetes

9:00-17:00

座長：小笹 寧子 (京都大学大学院医学研究科循環器内科)
座長：森 力 (東京慈恵会医科大学附属第三病院循環器内科)

PJ25-1	FFR versus IVUS for Guiding PCI in Patients with Diabetes Mellitus: 5-year Clinical Outcomes of the MUFFIN Trial	4216
	井上 航之祐 (産業医科大学 循環器・腎臓内科)	

- PJ25-2 Impact of Dapagliflozin on Left Ventricular Diastolic Function in Diabetic Patients with Heart Failure Complicating Cardiovascular Risk Factors 4217
曾我 文隆 (神戸大学 循環器内科学)
- PJ25-3 Potential Risk of Hypoglycemia in Patients with Heart Failure 4217
手嶋 泰之 (大分大学 循環器内科・臨床検査診断学講座)
- PJ25-4 Dipeptidyl Peptidase III Prevents Cardiac Dysfunction and Nephropathy in Type II Diabetes 4218
米野 雅大 (滋賀医科大学 分子病態生化学)
- PJ25-5 Correlation between Glycemic Variability and Glucose Metabolism in Obese Non-diabetic Patients after Acute Coronary Syndrome 4218
花島 陽平 (横浜市立大学 市民総合医療センター 心臓血管センター)
- PJ25-6 Association between Diabetes Mellitus Control and Progression of Coronary Disease in Chronic Phase after Percutaneous Coronary Intervention 4219
福本 勝文 (心臓血管研究所付属病院 循環器内科)
- PJ25-7 New Continuous Glucose Monitoring Reveals Hypoglycemia Risk in Both Diabetic and Nondiabetic Patients with Acute Myocardial Infarction 4219
野田 翼 (明石医療センター 循環器内科)
- PJ25-8 Mitochondrial Connexin43 Affects the Occurrence of Arrhythmias with the Modulation of Mitochondrial K_{ATP} Channels 4220
西山 真美 (東北大学 臨床生理検査学分野)

ポスターセッション 26

PCI DES 1

9:00-17:00

座長：馬淵 博 (医療法人社団昂会湖東記念病院循環器科)
座長：吉町 文暢 (東海大学医学部付属八王子病院循環器内科)

- PJ26-1 The Effect of Lower Strut Thickness and Faster Polymer Resorption on Chronic Local Coagulative Response after Drug Eluting Stent Implantation 4221
山口 浩司 (徳島大学病院 循環器内科)
- PJ26-2 Clinical Outcomes of Left Main and/or Three-Vessel Disease Treatment: Third-generation versus Second-generation Drug-Eluting Stents 4222
深川 知哉 (済生会横浜市東部病院 循環器内科)
- PJ26-3 Initial Pathological Responses of Third-generation Bioabsorbable Polymer Everolimus-eluting Stents Implantation: Comparison with Second-generation Everolimus-eluting Stents 4222
右田 卓 (日本大学医学部 病態病理学系 人体病理学分野)
- PJ26-4 Midterm Clinical Outcomes after Unrestricted Use of Drug-coated Balloon and Drug-eluting Stents Placement for De Novo Coronary Stenosis: A Single-center Study 4223
山田 康太 (獨協医科大学埼玉医療センター 循環器内科)
- PJ26-5 Differential Contributing Factors for In-stent Restenosis (ISR) after Percutaneous Coronary Intervention (PCI) among 4 Generations of Stents 4223
中村 誠之 (福岡大学病院 心臓・血管内科学)
- PJ26-6 Comparison of 1- and 2-Stent Strategies Using New-Generation Drug-Eluting Stent in Unprotected Left Main Disease 4224
深川 知哉 (済生会横浜市東部病院 循環器内科)
- PJ26-7 Second- vs. Third-generation Drug-eluting Stent for Percutaneous Coronary Intervention in Patients on Hemodialysis 4224
香西 祐樹 (済生会横浜市東部病院 循環器科)
- PJ26-8 Net Plasma Oxidative Stress and Chronic Inflammation might Associate with the In-stent Neointimal Hyperplasia after Drug-eluting Stent Implantation 4225
堀中 繁夫 (獨協医科大学 心臓・血管内科/循環器内科)

ポスターセッション 27

Pulmonary Circulation 1

9:00-17:00

座長：和田 浩 (自治医科大学附属さいたま医療センター循環器内科)
座長：酒井 俊 (筑波技術大学保健科学部保健学科)

- PJ27-1 Active Selexipag Metabolite MRE-269 Increases Endothelin Receptors and Mediates Proliferation of Pulmonary Artery Smooth Muscle Cells 4226
丸山 秀和 (霞ヶ浦医療センター 循環器内科)
- PJ27-2 Peptidyl Prolyl Isomerase (Pin1) Contributes to Development of Pulmonary Hypertension Partly via Proliferation of Pulmonary Vascular Smooth Muscle Cells 4227
酒井 俊 (筑波大学 循環器内科)
- PJ27-3 High-Fat Diet Delays Pulmonary Artery Reverse Remodeling in Mice with Hypoxia-induced Pulmonary Hypertension 4227
杉本 浩一 (福島県立医科大学 肺高血圧先進医療学講座)
- PJ27-4 Blockade of Toll-Like Receptor 9 Ameliorated the Development of Pulmonary Arterial Hypertension by Reducing Perivascular Inflammation in Rats 4228
石川 智一 (九州大学 循環器内科学)
- PJ27-5 Clinical Characteristics and Outcome of Vasoreactive Pulmonary Arterial Hypertension Patients Treated with Calcium Channel Antagonists in Modern PAH Treatment Era 4228
平川 今日子 (国立循環器病研究センター 心臓血管内科)
- PJ27-6 Abnormal Peripheral Oxygen Extraction in Patients with IPAH and CTEPH with Normal Pulmonary Artery Pressure 4229
合田 あゆみ (杏林大学 循環器内科)
- PJ27-7 Pulmonary Pressure is Correlated with Filling Function of Both Ventricles Obtained by First-pass Radionuclide Angiography 4229
福家 聡一郎 (岡山赤十字病院 循環器内科)
- PJ27-8 Prevalence and Characteristics of Pulmonary Hypertension in Heart Failure with Preserved Ejection Fraction: The PURSUIT HFpEF Study 4230
世良 英子 (大阪大学 循環器内科学)

ポスターセッション 28

Pulmonary Circulation 2

9:00-17:00

座長: 伊波 巧 (杏林大学循環器内科学)
座長: 丹下 正一 (前橋赤十字病院心臓血管内科)

- PJ28-1 Right Intraventricular Dyssynchrony Associated with Pulmonary Arterial Compliance is More Evident in Chronic Thromboembolic Pulmonary Hypertension than Pulmonary Arterial Hypertension 4231
山方 勇樹 (長崎大学病院 循環器内科)
- PJ28-2 Assessment of Microvasculopathy in Chronic Thromboembolic Pulmonary Hypertension after Interventional Treatment 4232
大西 裕之 (神戸大学 循環器内科)
- PJ28-3 High-sensitive Cardiac Troponin T Levels are Associated with Right Ventricular Dysfunction in Patients with Chronic Thromboembolic Pulmonary Hypertension 4232
山方 勇樹 (長崎大学病院 循環器内科)
- PJ28-4 Efficacy of Pulmonary Hypertension-Targeted Drugs for Severe Chronic Thromboembolic Pulmonary Hypertension 4233
吉岡 卓 (杏林大学 循環器内科学)
- PJ28-5 De-escalation/Discontinuation of Oxygen-Therapy and Medication is Feasible and Safe in Chronic Thromboembolic Pulmonary Hypertension Patients Treated with Balloon Pulmonary Angioplasty 4233
木村 舞 (慶應義塾大学医学部 循環器内科)
- PJ28-6 Practice of Portopulmonary Hypertension in One Japanese Center -An Emphasis on Cases with Pulmonary Hypertension Preceding Liver Disease 4234
菊池 華子 (杏林大学 医学部循環器内科)
- PJ28-7 Clinical Usefulness of "Volume-Count Mismatch" on Lung Perfusion Scintigraphy for Evaluation of Severity of Pulmonary Hypertension 4235
木曾 啓祐 (国立循環器病研究センター 放射線部)
- PJ28-8 Impact of Skeletal Muscle Mass and Function on Exercise Capacity in Patients with Pulmonary Hypertension 4235
小西 正紹 (横浜市立大学 第二内科)

ポスターセッション 29

Coronary Artery Disease (Clinical) 2

9:00-17:00

座長：麻生 真一（慈泉会相澤病院）
座長：高橋 潤（東北大学病院循環器内科）

- PJ29-1 演題取り下げ 4236
- PJ29-2 Relationship between Resting Full-Cycle Ratio and Fractional Flow Reserve in the Assessment of Coronary Stenosis Severity 4237
室屋 隆浩（佐世保市総合医療センター 循環器内科）
- PJ29-3 Glasgow Prognostic Score can be a Prognostic Indicator after Percutaneous Coronary Intervention 4237
野池 亮太（東邦大学 医学部内科学講座循環器内科学分野）
- PJ29-4 Inhibition of Coronary Atherosclerosis by Direct Bilirubin: Analysis by Structure Equation Modeling Analysis 4238
野々上 明（東京慈恵会医科大学 循環器内科）
- PJ29-5 LDL-C Lowering Therapy Affect the Clinical Outcomes in Patient with FFR under 0.8 4238
貝森 亮太（秋田大学大学院 循環器内科学）
- PJ29-6 Seven-Year Clinical Outcomes of Biodegradable Polymer Biolimus-Eluting Stent versus Durable Polymer Everolimus-Eluting Stent in Diabetic Patients 4239
田中 裕一（社会保険小倉記念病院 循環器科）
- PJ29-7 Serum Soluble Klotho as a Biomarker for Coronary Artery Calcification in Patients with Stable Angina Pectoris Undergoing Percutaneous Coronary Intervention 4239
古賀 聖士（長崎大学病院 循環器内科）
- PJ29-8 Frequency and Factor Associated with Discordance between Resting Full-Cycle Ratio, Diastolic Pressure Ratio, and Fractional Flow Reserve 4240
大島 祐太郎（横浜栄共済病院 内科）

ポスターセッション 30

Heart Failure (Biomarker)

9:00-17:00

座長：杉原 志伸（島根大学保健管理センター）
座長：藤井 聡（旭川医科大学臨床検査医学）

- PJ30-1 Impact of Mean Platelet Volume and Platelet Distribution Width on Heart Failure Events and Total Mortality 4241
大井田 充範（心臓血管研究所 循環器内科）
- PJ30-2 Clinical Significance of Reactive Oxidative Metabolites in Patients with Non-ischemic Heart Failure with Reduced Ejection Fraction 4242
西原 大貴（熊本大学 循環器内科学）
- PJ30-3 The Prognostic Value of Circulating Human Epididymis Protein 4 in Ambulatory Patients with Non-ischemic Dilated Cardiomyopathy 4242
奥村 貴裕（名古屋大学大学院医学系研究科 循環器内科学）
- PJ30-4 Prognostic Value of Nutritional Status in Patients with Heart Failure with Preserved Ejection Fraction, with and without Atrial Fibrillation 4243
川崎 真佐登（大阪急性期・総合医療センター 心臓内科）
- PJ30-5 Combined Measurement of Procalcitonin and High-sensitivity Cardiac Troponin T is Useful for Risk Stratification in Patients with Chronic Heart Failure 4243
説田 浩一（都立駒込病院 循環器内科・臨床検査科）
- PJ30-6 Clinical Significance of Fischer Ratio in Heart Failure with Reduced Ejection Fraction 4244
高橋 遼（札幌医科大学医学部 循環器・腎臓・代謝内分泌内科学講座）

ポスターセッション 31

Heart Failure (Risk Factors)

9:00-17:00

座長：柿木 滋夫（小樽協会病院）
座長：眞茅 みゆき（北里大学看護システム学）

- PJ31-1 Comparative Prognostic Impact of ACCI and AHEAD Score in Heart Failure with Reduced, Mid-range and Preserved Left Ventricular Ejection Fraction 4245
香山 京美 (大阪急性期・総合医療センター 心臓内科)
- PJ31-2 Prognostic Impact of a Novel and Simply Calculated Nutritional Index on Long-term Mortality in Patients with Acute Decompensated Heart Failure 4246
石綿 清樹 (順天堂大学 循環器内科学)
- PJ31-3 Differences in the Prognostic Impact of Left Ventricular Diastolic Dysfunction between HFpEF/HFmrEF Patients with and without Atrial Fibrillation 4246
須貝 孝幸 (山形大学 循環・呼吸・腎臓内科学)
- PJ31-4 H2FPEF Score as a Prognostic Value in HFpEF Patients 4247
西原 大貴 (熊本大学 循環器内科学)
- PJ31-5 Predictive Value of the Glasgow Prognostic Score for Mortality in Patients with Heart Failure: A Sub-analysis of the CURE-HF Registry 4247
板垣 惟 (伊那中央病院 循環器内科)
- PJ31-6 Incidence and Predictors of Sudden Cardiac Death in Stage B vs. Stage C/D Heart Failure -Insights from the CHART-2 Study- 4248
林 秀華 (東北大学 循環器内科)
- PJ31-7 Prognostic Impact of Gallbladder Wall Thickening in Patients with Heart Failure 4248
坂本 考弘 (益田赤十字病院 循環器科)
- PJ31-8 Female Gender, Heart Rate and Early Drop in Systolic Blood Pressure: Associations with Renal Function in the Elderly with HFrEF 4249
竹内 誠 (広島市立安佐市民病院 循環器内科)

ポスターセッション 32

Echocardiography 4

9:00-17:00

座長：和田 靖明 (山口大学医学部附属病院)
座長：坂本 二郎 (天理よろづ相談所病院循環器内科)

- PJ32-1 Right Ventricular Contractile Reserve during Low-load Exercise Echocardiography can Predict Exercise Capacity in Heart Failure Patients 4250
木下 将城 (愛媛大学 循環器内科)
- PJ32-2 Left Atrial Longitudinal Strain is Associated with Atrial Fibrosis and microRNA-21 Expression in Cardiovascular Surgery Patients 4251
廣瀬 優 (獨協医科大学病院 心臓・血管内科/循環器内科)
- PJ32-3 Ischemic Threshold Assessed by Dobutamine Stress Echocardiography is Useful for the Preoperative Risk Assessment before Noncardiac Surgery 4251
内山 沙央里 (日本医科大学 循環器内科)
- PJ32-4 演題取り下げ 4252
- PJ32-5 Clinical Utility of Exercise Stress Echocardiogram in Asymptomatic or Mildly Symptomatic Patients with Primary Mitral Regurgitation 4252
河田 祐佳 (藤田医科大学 循環器内科)
- PJ32-6 演題取り下げ 4253
- PJ32-7 Association of the e' and E/e' with Long-term Outcomes in Patients with Normal Ejection Fraction 4253
春古 裕太 (京都大学大学院医学研究科 循環器内科学)
- PJ32-8 Relationship between Brachial Flow-mediated Dilation and Carotid Intima-media Thickness in Patients with Coronary Artery Disease 4254
豊田 茂 (獨協医科大学 心臓・血管内科/循環器内科)

ポスターセッション 33

Vascular Disease (Therapy) 3

9:00-17:00

座長：新保 昌久 (自治医科大学内科学講座循環器内科学部門)
座長：木下 慎 (神戸市立医療センター中央市民病院循環器内科)

PJ33-1	Clinical Impacts of Oral Anticoagulant Therapy in Patients with Ischemic Wound	4255
	伊東 伸洋 (小倉記念病院 循環器科)	
PJ33-2	演題取り下げ	4256
PJ33-3	演題取り下げ	4256
PJ33-4	Serum Lipoprotein (a) Levels on Clinical Outcomes after Endovascular Therapy	4257
	鱈居 祐輔 (小倉記念病院 循環器内科)	
PJ33-5	Role of Vasa Vasorum in Pathogenesis of Arteritides with Prevalence of the Coronary Artery Disease and Atherosclerosis	4257
	尾内 善四郎 (京都府立医科大学、大学院 小児科学)	
PJ33-6	Distal Radial Artery Approach in Endovascular Therapy	4258
	篠崎 法彦 (東海大学 循環器内科学)	
PJ33-7	Drug-Coated Balloon VS. Standard Balloon for Superficial Femoral Artery Chronic Total Occlusion Lesion	4258
	中野 考英 (済生会横浜市東部病院 循環器科)	
PJ33-8	Risk Factors of Cardiovascular Death for 2-years after Revascularization in Elderly Critical Limb Ischemia Patients with Coronary Artery Disease	4259
	安崎 和博 (鹿児島大学大学院医歯学総合研究科 心臓血管・高血圧内科学)	

ポスターセッション 34

Atrial Arrhythmia

9:00-17:00

座長：西内 英 (天理よろづ相談所病院循環器内科)
 座長：吉澤 尚志 (京都大学医学部附属病院 循環器内科)

PJ34-1	A Novel Clinical Risk Score (D-SPELL Score) for Predicting the Prevalence of Low-voltage Areas in Patients Undergoing Atrial Fibrillation Ablation	4260
	松田 祥宏 (関西労災病院 循環器内科)	
PJ34-2	Longer Bed-rest Duration is Favorable after Cryoballoon Ablation Compared to Radiofrequency Ablation for Atrial Fibrillation with Uninterrupted Direct Oral Anticoagulants	4261
	松永 泰治 (大阪労災病院 循環器内科)	
PJ34-3	Clinical Benefits of Catheter Ablation in Asymptomatic Persistent Atrial Fibrillation Patients Evaluated by Cardiopulmonary Exercise Testing	4261
	牛島 明子 (東海大学医学部付属八王子病院 循環器内科)	
PJ34-4	Mechanism of Supraventricular Tachyarrhythmia in Patients with Prior Cardiac Surgeries	4262
	永原 大五 (札幌医科大学 感染制御・臨床検査医学講座)	
PJ34-5	Characteristics, Mechanism and Ablation Outcome of Atrial Tachycardias after Cardiac Surgery and Concomitant Maze Procedure	4262
	鈴木 啓資 (国立循環器病研究センター 心臓血管内科)	
PJ34-6	Atrial Tachycardia after Mitral Valve Surgery via Superior Transseptal Approach	4263
	江神 康之 (大阪労災病院 循環器内科)	
PJ34-7	Patterns and Mechanism of a Spontaneous Transition between Two Types of Atrioventricular Nodal Reentrant Tachycardias	4263
	長谷川 寛 (群馬大学 循環器内科)	
PJ34-8	Usefulness of Intracardiac Echocardiography for Catheter Ablation of Right Accessory Pathway in Pediatric Patients	4264
	長谷部 雄飛 (東北大学 循環器内科学)	

ポスターセッション 35

ACS (Treatment) 3

9:00-17:00

座長：徳山 榮男 (かわぐち心臓呼吸器病院循環器内科)
 座長：樋熊 拓未 (聖マリアンナ医科大学循環器内科)

PJ35-1	High Platelet Reactivity with Loading Dose of Prasugrel Predicts In-hospital Adverse Prognosis in Acute Coronary Syndrome	4265
	黒田 和宏 (岡山市立市民病院 循環器内科)	

PJ35-2	Synergistic Effect of Carperitide and Nicorandil on Coronary Microcirculation as Adjuncts to Primary Coronary Intervention for ST-segment Elevation Myocardial Infarction	4266
	大西 隆行 (平塚共済病院 循環器科)	
PJ35-3	Use of Coronary Stent Does not Affect Long-term Prognosis of Patients with Myocardial Infarction	4266
	砂村 慎一郎 (仙台市医療センター仙台オープン病院 循環器内科)	
PJ35-4	Safety of Early Discharge for Patients with Low-Risk ST Elevation Myocardial Infarction	4267
	佐藤 貴範 (千葉大学医学部附属病院)	
PJ35-5	Prognostic Impact of Body Mass Index on Mortality after Acute Coronary Syndrome in Japanese Populations	4267
	清水 竹史 (福島県立医科大学 循環器内科学講座)	
PJ35-6	Geriatric Nutritional Risk Index Predicts Mortality in Acute Myocardial Infarction Patients	4268
	中村 裕一 (竹田総合病院 循環器内科)	
PJ35-7	Paroxysmal Atrial Fibrillation is Associated with the Development of Heart Failure after Myocardial Infarction	4268
	野田 一樹 (仙台市医療センター仙台オープン病院 循環器内科)	
PJ35-8	The Comparison of Mechanical Complications Following Acute Myocardial Infarction between Pre-contemporary and Contemporary Clinical Settings: A 20-year Retrospective Study	4269
	石倉 正大 (島根県立中央病院 循環器科)	

ポスターセッション 36

Heart Failure (Basic)

9:00-17:00

座長：小原 幸 (京都薬科大学臨床薬理学)
座長：中川 靖章 (京都大学大学院医学研究科循環器内科)

PJ36-1	Cardiomyocyte-specific Cell-free DNA Analysis Using Methylation Profile and Digital Polymerase Chain Reaction in Patients with Heart Failure	4270
	横川 哲朗 (福島県立医科大学循環器内科)	
PJ36-2	Autologous Skeletal Myoblast Sheet Implantation Suppresses the Deterioration of a Pressure-overloaded Right Heart in a Porcine Model	4271
	荒木 幹太 (大阪大学 心臓血管・呼吸器外科学)	
PJ36-3	The Elevation of BNP in Patients with Heart Failure is Partly Due to the Serum-derived Induction of BNP from Heart	4271
	岡本 隆二 (三重大学 循環器内科学)	
PJ36-4	Oral Administration of Euglena Gracilis Z Alleviates Constipation in a Mouse Model of Isoproterenol-induced Heart Failure	4272
	梅井 正彦 (東京大学 循環器内科)	
PJ36-5	Anti-inflammatory Approach for Heart Failure Targeting Calcium-Calmodulin Dependent Protein Kinase	4272
	末富 建 (山口大学 器官病態内科学)	
PJ36-6	Deranged Fatty Acid Composition by Elovl6-knockout Induces Cardioprotective Mechanism during Pressure Overload: A Potential New Therapeutic Target for Heart Failure	4273
	忠木 沙耶香 (群馬大学 大学院保健学研究科 生体情報検査科学講座)	
PJ36-7	演題取り下げ	4273
PJ36-8	Identification of Anti-hypertrophic Compounds from Natural Compounds	4274
	前川 健也 (静岡県立大学 分子病態学研究室)	

ポスターセッション 37

Heart Failure (Biomarkers)

9:00-17:00

座長：加藤 公彦 (医療法人香徳会メイトウホスピタル)
座長：因田 恭也 (名古屋大学大学院医学系研究科循環器内科)

PJ37-1	Additional Prognostic Significance of Cognitive Function to AHEAD Risk Score in Patients with Acute Decompensated Heart Failure	4275
	瀬尾 昌裕 (大阪急性期・総合医療センター 心臓内科)	

PJ37-2	Prognostic Significance of Liver Stiffness Assessed by Fibrosis-4 Index in Patients with Heart Failure	4276
	高江 将史 (熊本大学 循環器内科学)	
PJ37-3	Plasma Valine-to-Glycine Ratio is a Novel Prognostic Maker for Adverse Events in Patients with Heart Failure	4276
	神津 英至 (札幌医科大学 循環器・腎臓・代謝内分泌内科学講座)	
PJ37-4	The Association of Fatty Liver and Liver Stiffness with the Serum NT-pro-BNP Levels in Japanese Healthy Subjects: A Longitudinal Study	4277
	岩崎 陽一 (東京医科大学病院 循環器内科)	
PJ37-5	The Factors Impacting on Resting Energy Expenditure and a Novel Biomarker for Adequate Nutritional Management in Refractory Heart Failure Patients	4277
	坂本 陽子 (大阪大学 心臓血管外科学・循環器内科学)	
PJ37-6	Change in Fibrosis-4 Index is Associated with Change in Right Atrial Pressure in Patients with Acute Heart Failure	4278
	中島 充貴 (独立行政法人国立病院機構岩国医療センター 循環器内科)	
PJ37-7	Utility of Collagen-derived Peptides as Markers of Organ Injury in Patients with Acute Heart Failure	4278
	丸一 栞里 (大阪赤十字病院 心臓血管センター)	
PJ37-8	Prognostic Value of Collagen Type IV in Patients with Acute Decompensated Heart Failure	4279
	松尾 晃樹 (兵庫県立姫路循環器病センター 循環器科)	

ポスターセッション 38

Cardiac Rehabilitation 2

9:00-17:00

座長: 荒木 優 (産業医科大学第2内科学)

座長: 合田 あゆみ (杏林大学循環器内科)

PJ38-1	A New Cardiac Rehabilitation Using Real-Time Analysis of Heart Rate Variability	4280
	伊倉 秀彦 (慶應義塾大学 循環器内科)	
PJ38-2	Frailty Scale in Patients Who Underwent TAVI Correlate with Physical Function, but not Nutritional Status and Muscle Mass	4281
	立石 裕樹 (山口大学 器官病態内科学)	
PJ38-3	Validation of Percutaneous Lactate Measurement in Sweat Using Novel Wearable Sensor in Assessment of Anaerobic Threshold in Cardiopulmonary Exercise Test	4281
	渡邊 崇量 (岐阜大学医学部 病態情報解析医学)	
PJ38-4	Trpv1 Senses Hyperthermia Following Differentiation in Myoblast Cells	4282
	小尾 正太郎 (獨協医科大学)	
PJ38-5	Effects of Exercise Modes on Oxygen Uptake Efficiency Slope	4282
	馬場 礼三 (中部大生命健康科学部 スポーツ保健医療学科)	
PJ38-6	Comparison of Prognostic Impact of Geriatric Nutritional Risk Index between Heart Failure with Reduced and Preserved Ejection Fraction	4283
	安村 かおり (地域医療機能推進機構大阪病院 循環器内科)	
PJ38-7	Usefulness of Cardiac Rehabilitation with Assistance from Hybrid Assistive Limb (HAL) in Patients with Chronic Heart Failure	4283
	加藤 秀典 (筑波大学附属病院 リハビリテーション部)	
PJ38-8	Association between Malnutrition and Exercise Intolerance in Patients with Idiopathic Dilated Cardiomyopathy	4284
	瀬尾 昌裕 (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 39

Heart Failure (Non-pharmacological Management)

9:00-17:00

座長: 夜久 英憲 (三菱京都病院心臓内科/京都大学循環器内科学)

座長: 白壁 章宏 (日本医科大学千葉北総病院集中治療室)

PJ39-1	演題取り下げ	4285
PJ39-2	Relationship between Early Drop 13.5% in Systolic Blood Pressure, Worsening Renal Function and Long-term Outcome in Patients with Heart Failure	4286
	木戸 岳彦 (昭和大学横浜市北部病院 循環器内科)	

PJ39-3	演題取り下げ	4286
PJ39-4	The Investigation of Efficacy and Safety about Clinical Pathway with Early Tolvaptan Use after Heart Failure Admission in Super-elder Patients	4287
	山地 達也 (三豊総合病院 循環器科)	
PJ39-5	演題取り下げ	4287
PJ39-6	Association between Frailty and Malnutrition, and Its Impact on Prognosis in Patients with Heart Failure with Preserved Ejection Fraction	4288
	須永 晃弘 (大阪大学大学院医学系研究科 循環器内科学)	
PJ39-7	演題取り下げ	4288
PJ39-8	Living Alone is an Important Predictor for Heart Failure Rehospitalization	4289
	山室 恵 (済生会熊本病院 心臓血管センター 集中治療室、循環器内科)	

ポスターセッション 40

Hypertension (Clinical)

9:00-17:00

座長：宮内 卓 (筑波大学医学医療系循環器内科)
座長：小谷 英太郎 (日本医科大学多摩永山病院内科・循環器内科)

PJ40-1	Empagliflozin Significantly Increases Urine Volume, and Decreases Systolic Blood Pressure and Body Weight in Hypertensive Ren-TG Mice	4290
	川村 陽介 (弘前大学 循環器腎臓内科)	
PJ40-2	Multicenter Randomized Controlled Trial between Febuxostat and Allopurinol in Chronic Heart Failure Patients with Hyperuricemia	4291
	鈴木 聡 (竹田総合病院 循環器内科)	
PJ40-3	Clinical Significance of the Urinary Sodium-to-Potassium Ratio for Home Blood Pressure	4291
	窪田 琢郎 (鹿児島大学大学院医歯学総合研究科 心臓血管・高血圧内科学)	
PJ40-4	演題取り下げ	4292
PJ40-5	Clinic Private Room Self-Measured Blood Pressure might be an Effective Means to Predict the Prognosis of Hypertensive Patients under Treatment	4292
	関口 洋平 (関内内科医院)	
PJ40-6	The Effect of Health Class on Blood Pressure Status in Tarumizu City	4293
	赤崎 雄一 (鹿児島大学 心臓血管・高血圧内科学)	

ポスターセッション 41

Heart Failure (Pharmacotherapy) 2

9:00-17:00

座長：北口 勝司 (枚方公済病院循環器科)

PJ41-1	Effect of Empagliflozin as Add-on Therapy on Decongestion and Renal Function in Diabetic Patients Hospitalized for Acute Decompensated Heart Failure	4294
	玉置 俊介 (大阪急性期・総合医療センター 心臓内科)	
PJ41-2	Risk Factors for Hypernatremia in Patients with Acute Decompensated Heart Failure Treated with Tolvaptan during Early Phase	4295
	福岡 秀忠 (八尾市立病院 循環器内科)	
PJ41-3	Effects of Renin-Angiotensin System Inhibitors on Cardiac Structure and Function in Heart Failure with Preserved/Mid-Range Ejection Fraction: A Meta-Analysis	4295
	福田 英克 (名古屋市立大学大学院医学研究科)	
PJ41-4	Comparison of SGLT2 Inhibitors Induced Diuretic Action in Diabetic Patients with Heart Failure with Reduced, Midrange and Preserved Ejection Fraction	4296
	中垣内 昌樹 (富山大学 第二内科)	
PJ41-5	Outpatient Use of Tolvaptan Extended a Period until Recurrence Heart Failure Admission in Patients over 85 Years Old	4296
	半田 武己 (高陵病院 循環器・心臓血管外科)	

- PJ41-6 Clinical Effects of Carvedilol to Systolic Heart Failure with Atrial Fibrillation by Left Ventricular Ejection Fraction 4297
高橋 済 (国立病院機構信州上田医療センター 循環器内科)
- PJ41-7 Comparison of Canagliflozin, Dapagliflozin and Empagliflozin Added to Heart Failure Treatment in Decompensated Heart Failure Patients with Type 2 Diabetes 4297
中垣内 昌樹 (富山大学 第二内科)
- PJ41-8 Utilization of Codeine for Heart Failure Patients with Breathlessness in Home Palliative Care 4298
吉本 明子 (ゆみのハートクリニック)

ポスターセッション 42

Thromboembolism 3

9:00-17:00

座長：河合 勇介 (岡山市立市民病院循環器科)
座長：梅谷 健 (山梨県立中央病院循環器内科)

- PJ42-1 Effect of Rivaroxaban on Urinary Albumin Excretion in Patients with Atrial Fibrillation and Chronic Kidney Disease: A Randomized Trial (X-NOAC) 4299
田中 敦史 (佐賀大学 循環器内科)
- PJ42-2 Impact of Geriatric Nutritional Risk Index on Bleeding Events after Coronary Stent Implantation 4300
宮川 秀一 (藤沢市民病院 循環器内科)
- PJ42-3 The Difference of Efficacy by Dual Antiplatelet Therapies with Total Thrombus-Formation Analysis System 4300
矢野 雅也 (福岡大学病院 心臓血管内科学)
- PJ42-4 Total Thrombus-formation Analysis System can Evaluate High Bleeding Risk in Coronary Artery Disease Patients with Hemodialysis 4301
中西 信博 (熊本大学 循環器病態学)
- PJ42-5 Investigation for Prescription Transition and Incidence of Bleeding Complication in Patients Treated with Oral Anticoagulant Therapy in 5 Years 4301
尾関 理恵 (東京理科大学 薬学部)
- PJ42-6 Experienced Cardiologist-Level Dose Adjustment of Warfarin Using Artificial Intelligence 4302
福島 孝紘 (九州大学 医学部医学科)
- PJ42-7 Efficacy and Safety of Thoracoscopic Left Atrial Appendectomy Followed by Catheter Ablation in Patients with Persistent Atrial Fibrillation 4302
井藤 葉子 (筑波記念病院 循環器内科)
- PJ42-8 Real-world Three-year Outcome in Patients with Non-valvular Atrial Fibrillation in the Era of Treatment with Oral Anti-coagulants: The ASSAF-K Registry 4303
堺 浩之 (神奈川県内科医学会心臓血管病対策委員会)

ポスターセッション 43

AF Balloon Ablation/Others

9:00-17:00

座長：曾原 寛 (湘南東部総合病院循環器科)
座長：高木 雅彦 (関西医科大学総合医療センター/不整脈治療センター)

- PJ43-1 Acute Success Rate of a Novel Hot Balloon Ablation Protocol Targeting Pulmonary Vein Antrum 4304
出原 正康 (市立岸和田市民病院 循環器科)
- PJ43-2 The Significance of Real-time Monitoring of Pulmonary Vein Potentials during Hotballoon Ablation for Pulmonary Vein Isolation 4305
横山 正明 (東京慈恵会医科大学 循環器内科)
- PJ43-3 Relationship between Time-to-effect and Pulmonary Vein Reconnection in Hot Balloon Ablation 4305
竹田 康佑 (東京都立広尾病院 循環器科)
- PJ43-4 演題取り下げ 4306
- PJ43-5 The Causes of Touch-up Ablation after Visually Guided Laser Balloon Ablation in Atrial Fibrillation Patients 4306
佐藤 秀範 (東京慈恵会医科大学附属病院 循環器内科学講座)

- PJ43-6 Usefulness of Lesion Formation Assessment by Intracardiac Echocardiography during Laser Balloon Ablation in Prediction of the Dormant Conduction 4307
飯田 剛幸 (東海大学 八王子病院 循環器内科)
- PJ43-7 Association between Laser-balloon Contact Area Derived from Endoscopic View and Pulmonary Veins: Implication for Successful Laser-balloon Ablation 4307
大塚 直人 (日本大学医学部附属板橋病院 循環器内科)
- PJ43-8 Relationship between AF Recurrence and Phrenic Nerve Palsy during Cryoballoon Ablation for Atrial Fibrillation 4308
小椋 康弘 (名古屋第二赤十字病院 循環器内科)

ポスターセッション 44

AF/Heart Failure

9:00-17:00

座長: 杉本 健一 (東京慈恵会医科大学葛飾医療センター中央検査部)

- PJ44-1 Catheter Ablation of Atrial Fibrillation Reduces Adverse Outcomes in Elderly Patients Hospitalized for Acute Heart Failure 4309
間仁田 守 (那覇市立病院 循環器内科)
- PJ44-2 Early versus Late New-onset Heart Failure in Atrial Fibrillation Patients without Pre-existing Organic Heart Disease: The Fushimi AF Registry 4310
青野 佑哉 (京都医療センター 循環器科)
- PJ44-3 Anemia is a Significant Risk of Heart Failure in Patients with Atrial Fibrillation 4310
橋本 健司 (慶應義塾大学病院 循環器内科学)
- PJ44-4 Catheter Ablation of Atrial Fibrillation Improved Renal Function and Exercise Capacity in Patients with Impaired Exercise Capacity and Persistent AF 4311
武 寛 (群馬県立心臓血管センター 循環器内科)
- PJ44-5 Incremental Benefit of Catheter Ablation over Rate Control Strategy in Patients with Persistent Atrial Fibrillation Coexisting Heart Failure 4311
山内 良太 (大垣市民病院 循環器内科)
- PJ44-6 Predictor of Tachycardia Induced Cardiomyopathy in Patients with Persistent Atrial Fibrillation by Cardiopulmonary Exercise Testing 4312
島田 博史 (横浜南共済病院 循環器内科)
- PJ44-7 The Predictor of BNP Reduction after Atrial Fibrillation Catheter Ablation for Heart Failure Patients with Preserved Ejection Fraction 4312
佐藤 宏行 (手稲溪仁会病院 心臓血管センター循環器内科)
- PJ44-8 Post-procedural left Ventricular Ejection Fraction could Predict the Prognosis in Patients with Systolic Dysfunction Who Underwent Atrial Fibrillation Ablation 4313
矢崎 恭一郎 (東京女子医科大学病院 循環器内科)

チーム医療セッション 一般演題 (ポスター) 1

CT・RI

9:00-17:00

座長: 福島 賢慈 (埼玉医科大学国際医療センター核医学科)

- CP1-1 演題取り下げ 4327
- CP1-2 冠動脈 CTA 検査における高心拍患者の経口及び静脈内投与 β 遮断薬による心拍数低下効果に関する検討 4328
小林 真琴 (CVIC 心臓画像クリニック飯田橋)
- CP1-3 冠動脈石灰化スコア 0 の患者における心外膜脂肪容積と心外膜脂肪 CT 値および冠動脈硬化の関連性について 4328
齋藤 和歩 (群馬県立心臓血管センター 放射線課)
- CP1-4 心臓 CT による冠動脈狭窄度と心外膜脂肪量の関係についての検討 4329
森廣 和久 (もりした循環器科クリニック)
- CP1-5 心外膜脂肪の蓄積位置は動脈硬化と心房細動に影響する 4329
上山 忠政 (鳥取県立中央病院 中央放射線室)

- CP1-6 Tc-99m-Tetrofosmin (TF) における早期像と後期像の有用性 4330
林 雄人 (公益財団法人日本心臓血管研究振興会附属榊原記念病院)
- CP1-7 Dynamic Perfusion SPECT から ^{99m}Tc 血流製剤の違いを考える 4330
栗原 まき子 (公益財団法人日本心臓血管研究振興会附属榊原記念病院)

チーム医療セッション 一般演題 (ポスター) 2

MRI

9:00-17:00

座長: 奥田 茂男 (慶應義塾大学放射線科 (診断))

- CP2-1 3.0T における Zoom imaging を用いた心筋 T2 強調画像の画質改善 4331
湯田 恒平 (一般財団法人 自警会 東京警察病院)
- CP2-2 3.0T MRI 装置における non-selective RF pulse を用いた WHC-MRA の画質改善 4332
吉田 学 (財団法人 自警会 東京警察病院 放射線科)
- CP2-3 心臓 MRI における BMI の関係性について検討 4332
橋本 乾 (医療法人社団 CVIC 心臓画像クリニック飯田橋)
- CP2-4 演題取り下げ 4333
- CP2-5 心臓 MRI で撮像された Cine 画像を用いた左室心筋肥厚病変の検討 4333
細川 智也 (医療法人社団 CVIC 心臓画像クリニック飯田橋)
- CP2-6 Native T1 mapping による肥大型心筋症の非侵襲的評価 4334
高濱 英彰 (福島県立医科大学附属病院 放射線科)
- CP2-7 当院における植込み型心臓デバイス患者の MRI 撮像現状 4334
祝迫 周平 (金沢大学附属病院 ME 機器管理センター)

チーム医療セッション 一般演題 (ポスター) 3

心カテーテル

9:00-17:00

座長: 杉 佳紀 (埼玉医科大学国際医療センター心臓内科)

- CP3-1 心房細動アブレーションの麻酔管理におけるプロポフォールの安全性と有用性 4335
黒岩 亮平 (横浜市立みなと赤十字病院 薬剤部)
- CP3-2 ホットバルーンアブレーションにおける冷却水注入時の誤嚥予防の工夫 4336
増田 愛子 ((公財) 日本心臓血管研究振興会附属 榊原記念病院 看護部)
- CP3-3 高齢大動脈弁狭窄症患者に対する経カテーテル大動脈弁留置術の認知機能改善効果の検討 4336
渡邊 麗子 (筑波大学附属病院 リハビリテーション部)
- CP3-4 大動脈弁狭窄症 (AS) 患者の経カテーテル大動脈弁置換術 (TAVI) 後の活動範囲に関連する因子 4337
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)
- CP3-5 TRA ベルト (ラディスブ用ベルト-100) による緩め方法の違いの分析~疼痛・末梢動脈血流量差の相違と安全を検証する~ 4337
井戸 理紗 (甲府城南病院)
- CP3-6 演題取り下げ 4338

チーム医療セッション 一般演題 (ポスター) 4

ECG

9:00-17:00

座長: 大島 一太 (大島医院院長)

- CP4-1 急性期患者における CNS - DSC 連携を使った病棟モニタ心電図解析の有用性についての検討 4339
高井 美桜 (医療法人社団葵会 AOI 国際病院 4 階病棟)
- CP4-2 新規に導入された CNS-DSC 連携による病棟モニター心電図解析と外来でのホルター心電図解析の比較検討について 4340
牧野 亜美 (AOI 国際病院 検査科)

CP4-3	演題取り下げ	4340
CP4-4	離島 A 病院における急性心筋梗塞患者症例の再灌流迄のタイムスタディー — 救急搬送 12 誘導心電図伝送システム導入後の比較検討 — 須川 理佳 (長崎県対馬病院)	4341
CP4-5	演題取り下げ	4341
CP4-6	心臓血管外科手術患者における術前の心臓自律神経活動レベルからみた術後心房細動発症リスク: A single center, prospective observational study 佐々木 康之輔 (東北大学 心臓血管外科)	4342

チーム医療セッション 一般演題 (ポスター) 5

不整脈 アブレーション 1

9:00-17:00

座長: 森 紀成 (トヨタ記念病院 ME グループ)

CP5-1	造影剤アレルギー既往患者に対して本院で初めて炭酸ガス造影を行った PTA 症例の 1 例 平田 太紀 (京都大学医学部附属病院 医療器材部)	4343
CP5-2	カテーテルアブレーション治療の患者 QOL に対する効果の検討: 発作性上室頻拍および心房細動例での検討 丸尾 ゆかり (医療法人社団 宏和会 岡村記念病院)	4344
CP5-3	心房細動アブレーション準備時間短縮への取り組み 中村 悟士 (神戸市立医療センター中央市民病院 臨床工学技術部)	4344
CP5-4	心房細動アブレーションにおける Leftee スティラブルシースの有用性についての検討 縮 友和 (AOI 国際病院 臨床工学科)	4345
CP5-5	第 4 世代ショートチップクライオバルーンを用いたアブレーションにおける肺静脈電位の視認性とタッチアップの必要性に関する検討 阪野 有希菜 (藤田医科大学病院 臨床工学科)	4345
CP5-6	心房細動アブレーションにおける Early meets late 機能および Propagation map の有用性に関する検討 土井 房恵 (AOI 国際病院 ME 科)	4346
CP5-7	Cryoballoon Ablation (CA) における V1 電極を用いた CMAP の検討 高野 真史 (JA 茨城県厚生連 総合病院土浦協同病院 臨床工学科)	4346
CP5-8	放射線治療時における植込み型心臓電気デバイスの遠隔モニタリング活用方法の検討 北方 基一 (市立伊丹病院 医療技術部)	4347

チーム医療セッション 一般演題 (ポスター) 6

不整脈 アブレーション 2

9:00-17:00

座長: 野崎 暢仁 (高の原中央病院臨床工学科)

CP6-1	植込み型除細動器 (ICD) の治療設定において心室頻拍に対する治療ゾーンは必要か? 小野 仁 (千葉大学病院 臨床工学センター)	4348
CP6-2	ICD による ST モニタリング機能は虚血性心疾患に限らず ST 変化を検出するか? 細谷 裕一 (千葉大学医学部附属病院 臨床工学センター)	4349
CP6-3	ME 介入による遠隔モニタリングを使用した心房細動検出と脳梗塞予防への取り組み 岡田 敬 (市立鉦路総合病院 臨床工学室)	4349
CP6-4	遠隔モニタリング診療を受けている心臓デバイス (ICD、CRT-D) 植込み患者へのデバイスナースによる支援効果 (第 1 報) 小川 智美 (神戸大学医学部附属病院 循環器内科)	4350
CP6-5	VISITAG® モジュール Ablation Index が心房細動アブレーションの肺静脈隔離術へもたらす効果 南部 洋三 (大阪府済生会中津病院 臨床工学技術部)	4350
CP6-6	植込み型心臓モニタにおける遠隔モニタリングの有用性について 玉木 芹 (大阪急性期・総合医療センター 臨床工学室)	4351

CP6-7	演題取り下げ	4351
CP6-8	S-ICD 植込み症例におけるジェネレータの上肢挙上による位置移動と不適切作動の関係 千葉 晶奈 (東京医科大学病院 循環器内科 不整脈センター)	4352

チーム医療セッション 一般演題 (ポスター) 7

不整脈 アブレーション 3

9:00-17:00

座長: 谷本 耕司郎 (東京医療センター循環器科)

CP7-1	心房細動のバイオマーカーとしての血中 microRNA の安定性の評価 濱田 里美 (東京医科歯科大学 医学部附属病院 検査部)	4353
CP7-2	拡大肺静脈隔離術における左房食道瘻予防の検討 宮本 直武 (土別市立病院 診療技術部 診療放射線科 放射線科)	4354
CP7-3	常温 MR 磁気センサ 2 面心磁計による心電流マッピング 梶 祐有 (TDK 株式会社)	4354
CP7-4	上大静脈隔離術における CARTO3 を用いたマッピング性能の評価 杉澤 朋弥 (神戸市立医療センター 中央市民病院)	4355
CP7-5	HotBalloon が EnsiteSystem の位置情報に与える影響の検討 奥村 悠太 (一宮市立市民病院 臨床工学室)	4355
CP7-6	臨床治療を模倣した高周波アブレーション (実験系による焼灼効果相違の検証) 及川 綾花 (新潟大学 保健学研究科)	4356
CP7-7	DFA 分枝に直接穿刺からの coiling により止血成功した一例 中ノ上 太祐 (京都大学医学部附属病院 医療機材部)	4356
CP7-8	失神患者における植込み型心臓モニタの長期モニタリングの有用性 境田 知子 (東京医科大学病院不整脈センター)	4357

チーム医療セッション 一般演題 (ポスター) 8

運動負荷 1

9:00-17:00

座長: 小林 康之 (群馬県立心臓血管センター技術部生体検査課)

CP8-1	運動耐容能と心不全再入院の関係性に及ぼす BMI の影響 板垣 篤典 (心臓血管研究所 リハビリテーション室)	4358
CP8-2	外来心臓リハビリテーションの効果に影響を与える因子に関する検討 近野 宏知 (筑波大学附属病院 リハビリテーション部)	4359
CP8-3	演題取り下げ	4359
CP8-4	疾患別心臓リハビリテーション開始時と 3 か月後の心肺運動負荷試験による運動処方の検討 谷口 知治 (JCHO 九州病院 臨床検査室)	4360
CP8-5	高齢心疾患患者における最高酸素摂取量と位相角の関連 横手 翼 (飯塚病院 リハビリテーション部)	4360

チーム医療セッション 一般演題 (ポスター) 9

運動負荷 2

9:00-17:00

座長: 鶴田 ひかる (慶應義塾大学医学部循環器内科)

CP9-1	Karvonen 式の推奨係数 (0.4-0.6) と嫌気性代謝域値時の心拍数との関係と係数に影響する臨床背景の検討 櫻田 弘治 (心臓血管研究所 リハビリテーション室)	4361
CP9-2	高齢心疾患患者の退院時快適歩行速度に関連する因子の検討 小林 直樹 (湘南藤沢徳洲会病院 リハビリテーション室)	4362
CP9-3	肥大型心筋症患者の血圧上昇不良反応に寄与する因子: 運動負荷心エコー図による検討 武岡 真由美 (パナソニック健康保険組合 松下記念病院 臨床検査科)	4362

CP9-4	演題取り下げ	4363
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チーム医療セッション 一般演題 (ポスター) 10

補助循環

9:00-17:00

座長: 伊藤 朋晃 (小倉記念病院検査技師部工学課)

CP10-1	IABP 合併症と IABP 合併症症例の予後について	4364
	岩永 晃希 (地方独立行政法人 大阪府立病院機構 大阪急性期・総合医療センター 臨床工学室)	
CP10-2	心原性ショックに対する Impella+ECMO の有用性を検討する	4365
	大谷 真介 (兵庫県立姫路循環器病センター)	
CP10-3	当院の補助循環業務における標準化及び転院時連携への取り組み	4365
	奥田 祐希 (医療法人 永井病院 臨床工学技士)	
CP10-4	当院での ECMO チームの活動報告	4366
	畝原 史行 (済生会福岡総合病院 臨床工学部)	
CP10-5	両心室再同期療法デバイスに影響を及ぼす植込み型補助人工心臓システム用ショルダーバックマグネットの磁場干渉領域の検討	4366
	千田 温 (東京女子医科大学病院 臨床工学部)	
CP10-6	演題取り下げ	4367
CP10-7	大動脈弁狭窄症を有する慢性維持透析患者の比較検討	4367
	石川 平 (甲府城南病院)	
CP10-8	ICU 病棟での PCPS 症例における排便に対する大建中湯の有用性についての後方視的コホート研究	4368
	辻中 海斗 (兵庫県立尼崎総合医療センター 薬剤部)	

チーム医療セッション 一般演題 (ポスター) 11

カテーテル治療

9:00-17:00

座長: 中川 孝太郎 (国家公務員共済組合連合会横浜共済病院臨床工学科)

CP11-1	診療放射線技師の立場から見た経皮的動脈弁植込み術 (TAVI) 導入後の初期成績	4369
	田島 修 (埼玉県立循環器・呼吸器病センター 放射線技術部)	
CP11-2	TAVI 術前 CT における 320 列 CT による分割ボラス注入法の有用性	4370
	小柳 仁美 (名古屋大学医学部附属病院 医療技術部 放射線部門)	
CP11-3	TAVI における二尖弁の術前計測の術後予測	4370
	糸澤 誠 (湘南鎌倉総合病院 放射線科)	
CP11-4	演題取り下げ	4371
CP11-5	術後ペースメーカー留置を要した TAVI 施行症例における術前指標と遠隔期ペーシング効果の検討	4371
	安達 尚弘 (兵庫県立姫路循環器病センター)	
CP11-6	大腿膝窩動脈病変に合併した石灰化重症度が自己拡張型ステント開存に与える影響	4372
	倉田 直哉 (関西労災病院 臨床工学室)	
CP11-7	演題取り下げ	4372
CP11-8	ST 上昇型急性心筋梗塞と急性脳梗塞を同時発症した一例	4373
	亀澤 雄佑 (京都大学医学部附属病院 医療器材部)	

チーム医療セッション 一般演題 (ポスター) 12

フレイル

9:00-17:00

座長: 木田 圭亮 (聖マリアンナ医科大学薬理学)

CP12-1	当院における HFpEF 患者の臨床的特徴について~HFpEF 患者との比較~	4374
	阿部 康兵 (横浜労災病院 中央リハビリテーション部)	

CP12-2	左室駆出率が軽度低下した心不全 (HFmrEF) と左室駆出率が保たれた心不全 (HFpEF) 患者の入院経過と身体機能特性の比較	4375
	山埜 光太郎 (手稲溪仁会病院 リハビリテーション部)	
CP12-3	急性心不全患者の入院時の GNRI と心臓リハビリテーションによる初回歩行時の息切れは退院時の重度フレイルの独立した予測因子である	4375
	牧野 彰宏 (北里大学メディカルセンター リハビリテーションセンター)	
CP12-4	演題取り下げ	4376
CP12-5	虚血性心疾患を有する外来通院患者のフレイル実態調査～高齢者の身体機能と介護認定保有に着目して～	4376
	乾 早紀子 (奈良県西和医療センター 看護部)	
CP12-6	オステオサルコペニアを呈する心疾患患者に対する回復期心臓リハビリテーションの効果	4377
	今 一騎 (公益財団法人 日本心臓血圧研究振興会附属 榊原記念病院 リハビリテーション科)	
CP12-7	外来心臓リハビリテーション患者における Short Physical Performance Battery の有効性について	4377
	佐伯 誠 (特定医療法人 福西会 福西会病院 リハビリテーション科)	
CP12-8	外来等尺性掌握運動トレーニングが心不全患者の診察室血圧と 24 時間血圧に与える効果の検討	4378
	亀田 一成 (三重大学 循環器内科学)	

チーム医療セッション 一般演題 (ポスター) 13

薬物療法 1

9:00-17:00

座長: 尾野 亘 (京都大学大学院医学研究科 循環器内科学)

CP13-1	心房細動における直接経口抗凝固薬の不適正処方に関連する因子の解析	4379
	宮崎 元康 (福岡大学筑紫病院 薬剤部)	
CP13-2	演題取り下げ	4380
CP13-3	当院における心房細動アブレーション周術期の抗凝固療法	4380
	松元 一隆 (特定医療法人 渡辺医学会 桜橋渡辺病院 薬剤科)	
CP13-4	抗凝固療法中の転倒に伴う出血関連事象に睡眠薬が与える影響について	4381
	小田 真司 (一般財団法人永頼会 松山市民病院 薬剤部)	
CP13-5	服薬アドヒアランス向上と服薬自立支援に向けた薬剤管理と患者教育の試み	4381
	福村 樹 (北摂総合病院 循環器センター)	
CP13-6	経皮的冠動脈形成術 (PCI) 後の患者への薬学的介入が服薬アドヒアランスに及ぼす影響	4382
	大津 友紀 (福岡大学 実務薬剤学)	
CP13-7	心血管病患者における健康食品・サプリメント使用の実態調査	4382
	大津 友紀 (福岡大学 実務薬剤学)	

チーム医療セッション 一般演題 (ポスター) 14

薬物療法 2

9:00-17:00

座長: 加藤 雅彦 (鳥取大学保健学科検査技術科学専攻病態検査学講座)

CP14-1	うっ血性心不全例でのより安全かつ積極的な Tolvaptan 使用を目指して	4383
	陶山 泰治郎 (三豊総合病院 薬剤部)	
CP14-2	慢性心不全症例におけるトルバプタン長期使用の安全性と有効性の検討	4384
	前田 真由子 (兵庫県立尼崎総合医療センター 薬剤部)	
CP14-3	トルバプタン使用患者における Worsening Renal Function 発現のリスク因子の検討	4384
	岡 祐介 (豊橋ハートセンター)	
CP14-4	心不全チームと緩和ケアチーム連携後の末期心不全患者における呼吸困難緩和に対するモルヒネの使用実態調査	4385
	木下 紗江 (兵庫県立尼崎総合医療センター)	
CP14-5	末期心不全患者の呼吸困難に対するオピオイド製剤の有効性及び安全性調査	4385
	中村 眞梨 (さいたま市民医療センター 薬剤科)	

CP14-6	心不全患者におけるモルヒネ塩酸塩投与の副作用調査	4386
	松村 泰斗 (聖マリアンナ医科大学 横浜市西部病院 薬剤部)	
CP14-7	演題取り下げ	4386

チーム医療セッション 一般演題 (ポスター) 15

末梢・肺塞栓症

9:00-17:00

座長: 中島 淑江 (埼玉医科大学国際医療センター心臓内科)

CP15-1	臨床検査技師として静脈血栓塞栓症のチーム医療に参画した 10 年間の活動報告	4387
	山田 雅 (地方独立行政法人京都市立病院機構京都市立病院 臨床検査技術科)	
CP15-2	日本人肺がん患者における静脈血栓塞栓症発症リスク因子に関する研究	4388
	平出 誠 (公益財団法人 がん研究会有明病院 薬剤部)	
CP15-3	喫煙者における動脈硬化促進作用を有する酸化 LDL は歯周病と関連していた	4388
	船本 雅文 (静岡県立大学 大学院 薬食生命科学総合学府 分子病態学講座)	
CP15-4	血行再建術後の末梢動脈疾患患者における身体機能は退院後身体活動量に関連する	4389
	中島 真治 (愛知医科大学病院 リハビリテーション部)	
CP15-5	重症虚血肢による切断の転帰予測因子の検討	4389
	中村 裕輔 (飯塚病院 リハビリテーション部)	
CP15-6	下肢 CT アンギオグラフィにおける造影剤量の最適化について	4390
	小林 由枝 (あかね会 土谷総合病院)	
CP15-7	重症下肢虚血肢患者の創傷再発関連因子の検討	4390
	高橋 哲也 (順天堂大学 保健医療学部)	
CP15-8	末梢動脈疾患に対する血行再建術前後の身体活動量の変化—血管内治療と外科手術の比較—	4391
	大塚 翔太 (心臓病センター榊原病院 リハビリテーション室)	

チーム医療セッション 一般演題 (ポスター) 16

呼吸調節・認知機能

9:00-17:00

座長: 小正 晃裕 (京都大学医学部附属病院 循環器内科)

CP16-1	心臓デバイス (ICD、CRT-P、CRT-D) 植込み心不全患者の身体活動と睡眠の実態および関連要因の検討	4392
	齊藤 奈緒 (宮城大学 看護学群)	
CP16-2	演題取り下げ	4393
CP16-3	簡易スクリーニング検査による閉塞性睡眠時無呼吸症候群の有無が心房細動アブレーション手技に及ぼす影響	4393
	水谷 晃暢 (桜橋渡辺病院 臨床工学科)	
CP16-4	ペースメーカーの Sleep Apnea Monitoring による睡眠時無呼吸症候群検出についての検討	4394
	三浦 千里 (湖東記念病院)	
CP16-5	心臓・血管外科周手術期患者における MMSE を用いた認知機能評価と背景因子	4394
	山川 弥保 (獨協医科大学病院看護部)	
CP16-6	演題取り下げ	4395
CP16-7	認知機能が低下した非弁膜症性心房細動を有する慢性心不全患者の臨床的特徴—当院診療録からの後方視的観察研究—	4395
	安竹 正樹 (福井大学医学部附属病院 リハビリテーション部)	

チーム医療セッション 一般演題 (ポスター) 17

超音波検査 1

9:00-17:00

座長: 戸出 浩之 (獨協医科大学埼玉医療センター超音波センター)

CP17-1	演題取り下げ	4396
CP17-2	経胸壁心エコーは心房中隔欠損症における右室容積を過小評価する～心臓 MRI を用いた検討～ 佐藤 翼 (九州大学大学院 医学研究院)	4397
CP17-3	生体弁劣化による人工弁機能不全に対し Valve in Valve を施行した 1 例 伊藤 佳尚 (静岡県立総合病院 検査技術室)	4397
CP17-4	機能性僧帽弁逆流症に対する手術前後の血行動態評価に運動負荷心エコー図検査が有用であった一例 土岐 美沙子 (心臓病センター 榊原病院 臨床検査科)	4398
CP17-5	経皮的僧帽弁クリップ術における急性期左心系形態及び機能変化：ハイボリューム単施設における検討 塩川 則子 (聖マリアンナ医科大学病院 超音波センター)	4398
CP17-6	演題取り下げ	4399
CP17-7	急性肺動脈血栓塞栓症の早期診断における McConnell 徴候の有用性の検討 佐藤 治子 (JA 新潟厚生連長岡中央総合病院)	4399
CP17-8	心エコー・MRI における TAPSE の計測値の比較検討 水上 広伸 (医療法人社団 CVIC 心臓画像クリニック 飯田橋)	4400

チーム医療セッション 一般演題 (ポスター) 18

超音波検査 2

9:00-17:00

座長：岡庭 裕貴 (群馬県立心臓血管センター技術部生理検査課)

CP18-1	熊本における心エコー検査の標準化と向上のために—熊本県心臓血管エコー検査標準化プロジェクト (K-CHAP) の活動状況— 芳之内 達也 (熊本大学病院 中央検査部)	4401
CP18-2	高齢者心不全患者における TR の性質—在宅訪問検査技師による心臓超音波検査から— 小針 幸子 (ゆみのハートクリニック 検査課)	4402
CP18-3	明確な手術適応を有さない感染性心内膜炎患者でも塞栓症の頻度は高い 村山 博紀 (トヨタ記念病院 臨床検査科)	4402
CP18-4	演題取り下げ	4403
CP18-5	アブレーション直前に心嚢水の有無を確認することの有用性について 小河 純 (横浜市立みなと赤十字病院 検査部)	4403
CP18-6	Reverse remodeling に伴い増悪した僧帽弁閉鎖不全症の一例 木下 ゆい (熊本大学病院 中央検査部)	4404

チーム医療セッション 一般演題 (ポスター) 19

超音波検査 3

9:00-17:00

座長：小谷 敦志 (近畿大学奈良病院臨床検査部)

CP19-1	ベージェット病に Ebstein 奇形、心不全、腹部大動脈瘤切迫破裂、末期腎不全が合併した複合病態に対し複数科および心エコー図チームが連携した 1 例 森下 真由美 (大阪市立総合医療センター 生理機能検査部)	4405
CP19-2	心筋転移が疑われた腎細胞がんの一症例 植田 晴美 (兵庫県立がんセンター 検査部)	4406
CP19-3	重症虚血肢への血管内治療後の Perfusion Index は独立した予後予測因子である 藤本 和浩 (済生会和歌山病院 臨床工学科)	4406
CP19-4	パルスドプラを用いた腎うっ血経過観察 安田 英明 (大垣市民病院 診療検査科 血管専門検査室)	4407
CP19-5	ハンドグリップテスト (HGT) 中の血行動態の変化の年齢による差：超音波エコー法による測定 田中 みどり (姫路獨協大学 医療保健学部)	4407
CP19-6	当院で経験した若年患者の静脈血栓塞栓症患者 堀 貴好 (大垣市民病院 医療技術部診療検査科)	4408

- CP19-7 家族性高コレステロール血症患者における超音波によるアキレス腱輝度評価の有用性 (第 2 報) 4408
田辺 啓介 (国家公務員共済組合連合会 高松病院 診療技術部 検査科)
- CP19-8 末梢型深部静脈血栓症の無症候性肺塞栓症合併鑑別における D-dimer の有用性 4409
村田 桃子 (筑波大学附属病院 検査部)

チーム医療セッション 一般演題 (ポスター) 20

放射線と被曝

9:00-17:00

座長: 加藤 京一 (昭和大学大学院)

- CP20-1 当院の心臓カテーテル室における被ばく低減対策の有効性の検討 4410
小野 茂樹 (福岡大学病院 放射線部)
- CP20-2 X 線照射線源からの遮蔽や距離が違う手技の術者と患者の被ばくの現状 4411
荒井 一正 (武蔵野赤十字病院 放射線科)
- CP20-3 防護板を用いた水晶体被ばく低減の検討 4411
鹿島 啓佑 (京都大学医学部附属病院 放射線部)
- CP20-4 心房細動アブレーション中の放射線量低減がもたらす看護への効果の検討 4412
小川 奈保子 (市立四日市病院 看護部)
- CP20-5 非造影仮想単色 X 線画像を用いた心房細動アブレーションにおける左房抽出方法の検討 4412
齋藤 一樹 (川崎幸病院 放射線科)
- CP20-6 模擬血管モデルを用いた多枝病変 FFR 値の基礎的検討 4413
宮本 直武 (土別市立病院 診療技術部 診療放射線室 放射線科)
- CP20-7 アンギオグラフィーのみを用いた FFR 解析 (QFR: quantitative flow ratio) における造影角度に対するプロトコールの有用性の検証 4413
大内 幸樹 (聖路加国際病院 放射線科)

チーム医療セッション 一般演題 (ポスター) 21

医療専門職の教育 その他

9:00-17:00

座長: 畠田 理佳 (京都先端科学大学健康医療学部)

- CP21-1 リハビリテーション専門職を対象とした心不全患者への介入に関する実態調査 4414
瀬木 謙介 (岡崎市民病院 リハビリテーション室)
- CP21-2 クリニックで働く心不全認定看護師と訪問で働く心リハ指導士の合同企画～重症心不全患者の在宅心不全管理にアドバイザー的介入は効果があるのか? ～ 4415
渡辺 恵都子 (みやびハート&ケアクリニック)
- CP21-3 放射線可視化システムを用いた職種別放射線教育の効果 4415
加藤 京一 (昭和大学 保健医療学部)
- CP21-4 代理意思決定者の意思決定実現のためのチーム医療と地域連携の重要性 4416
向井 由紀子 (心臓血管センター 金沢循環器病院)
- CP21-5 若年心不全患者の仕事復帰に向けた退院調整と多職種連携を振り返る 4416
山口 垂矢 (心臓血管センター 金沢循環器病院)
- CP21-6 インシデント事例; 周知不足によるペースメーカー患者に対する放射線治療の原因と対策の検討 4417
中田 祐二 (高槻赤十字病院 医療技術部)
- CP21-7 心臓カテーテル検査・治療におけるサインアウトの導入が手技時間および入退室時間に与える影響の検討 4417
黒田 美佳 (組合立諏訪中央病院)
- CP21-8 モービル CCU における CCU 看護師の役割 4418
波多江 遵 (神原記念病院 CCU)

チーム医療セッション 一般演題 (ポスター) 22

意思決定支援

9:00-17:00

座長: 岸 拓弥 (国際医療福祉大学大学院医学研究科 (循環器内科分野))

CP22-1	演題取り下げ	4419
CP22-2	演題取り下げ	4420
CP22-3	演題取り下げ	4420
CP22-4	植込型補助人工心臓を装着した終末期患者に対する意思決定支援に難渋した一例 石山 純子 (東京医科歯科大学 医学部附属病院 看護部)	4421
CP22-5	補助循環を必要とした終末期患者に対する代理意思決定支援の在り方 金谷 真衣 (岡山市立市民病院 集中治療部)	4421
CP22-6	末期心不全患者の意思決定支援へのチーム介入 中口 淑恵 (日本鋼管病院 看護部)	4422
CP22-7	初期ステージ C 患者に対する指導法と病態理解度の検討 朝野 珠美 (緑成会 横浜総合病院 看護部)	4422
CP22-8	多職種連携により、患者家族の意向を尊重したケアが可能となった重症末期心不全の一例 小山内 愁子 (弘前大学 看護部)	4423

チーム医療セッション 一般演題 (ポスター) 23 患者教育とカウンセリング

9:00-17:00

座長：池亀 俊美 (榊原記念病院看護部)

CP23-1	仕事を持つ心不全患者の療養行動支援における慢性心不全認定看護師の看護実践内容 山下 (関口) 亮子 (大阪大学 保健学科)	4424
CP23-2	指導的介入困難は心不全再入院のリスクとなる 佐藤 麻美 (公益財団法人 心臓血管研究所付属病院)	4425
CP23-3	セルフケアを支援するための当院の課題 松本シャウレン 優 (医療法人 慈光会 甲府城南病院)	4425
CP23-4	心不全患者の退院時疾病管理自己効力感と退院後疾病管理行動との関連について 東田 雪絵 (名古屋ハートセンター)	4426
CP23-5	MitraClip 術を受けた心不全患者に有効な看護介入の検討 石川 里絵 (医療法人名古屋澄心会 名古屋ハートセンター 看護部)	4426
CP23-6	入院患者における看護師提案型内服自己管理導入手順の検討 古橋 美由紀 (公立陶生病院 看護局)	4427
CP23-7	心不全入院患者におけるうつ状態のスクリーニング方法の検討 村田 さおり (高知大学 老年病・循環器内科学)	4427

チーム医療セッション 一般演題 (ポスター) 24 事例症例報告 (心不全)

9:00-17:00

座長：仲村 直子 (神戸市立医療センター中央市民病院)

CP24-1	高知県における在宅心不全管理についての実態—疾病管理における困難経験— 山中 福子 (高知県立大学 看護学部)	4428
CP24-2	心臓移植を望む、IMPELLA5.0 を装着した重症心不全患者と、患者が望む治療を希望しない家族に戸惑い、苦慮しながら介入した一症例 真如 奈央 (公益財団法人 日本心臓血管研究振興会附属 榊原記念病院 看護部)	4429
CP24-3	末期心不全患者の全人的苦痛の緩和に関する一考察 杉村 千秋 (神戸市立医療センター中央市民病院)	4429
CP24-4	虚血性心筋症 (EF24 %) 重症高齢心不全在宅患者の病態に基づく生活調整—医学的情報共有により生活調整ができた 1 事例— 大牛 晴代 (株式会社 Leap 訪問看護ステーション ブレックス)	4430
CP24-5	周産期心筋症の 2 症例に対する子育て支援を含めた心臓リハビリテーションの経験 中野 淳子 (聖隷浜松病院 リハビリテーション部)	4430

CP24-6	急性期病院で働く循環器病棟看護師による退院時居宅訪問の実践報告	4431
	水野 奈々 (名古屋第二赤十字病院)	
CP24-7	心不全看護に特化した訪問看護の可能性	4431
	小澤 敬子 (医療法人社団ゆみの ゆみのハートクリニック)	
CP24-8	高知県における在宅心不全管理についての実態—提供されている医療情報の満足度と提供してほしい医療情報—	4432
	下元 理恵 (高知大学 看護学科)	

チーム医療セッション 一般演題 (ポスター) 25

栄養管理・禁煙

9:00-17:00

座長: 福尾 恵介 (武庫川女子大学食物栄養学科栄養科学研究所)

CP25-1	経カテーテル大動脈弁留置術施行患者の身体機能低下には栄養状態と社会的背景が関連する	4433
	清水 琴絵 (名古屋ハートセンター リハビリテーション部)	
CP25-2	新たな栄養指標は心房細動の病態進行に関係する	4434
	高野 明日香 (順天堂大学医学部附属順天堂医院 臨床工学室)	
CP25-3	演題取り下げ	4434
CP25-4	心臓病再発予防外来 2 年間の経過と再入院要因についての検討	4435
	松崎 景子 (福岡大学西新病院 栄養管理科)	
CP25-5	食事摂取量減少と心不全予後の関係	4435
	林 加奈子 (公益財団法人 心臓血管研究所付属病院)	
CP25-6	禁煙後早期におけるシスタチン C の減少は血清 MCP-1 と正の相関を認めた	4436
	清水 果奈 (静岡県立大学 分子病態学講座)	
CP25-7	演題取り下げ	4436
CP25-8	禁煙前後の BMI、腹囲、血液検査値と血清尿酸値 (UA) の比較検討	4437
	尾崎 裕香 (国立病院機構京都医療センター 臨床研究センター)	

チーム医療セッション 一般演題 (ポスター) 26

術後リハ

9:00-17:00

座長: 花房 祐輔 (埼玉医科大学国際医療センターリハビリテーションセンター)

CP26-1	高齢心臓手術患者における手術後握力と退院時身体機能低下の検討	4438
	大浦 啓輔 (関西電力病院 リハビリテーション部)	
CP26-2	心臓血管外科術後患者の SPPB 各ドメインの経時的変化の特徴について	4439
	渡邊 英孝 (順天堂大学医学部附属順天堂医院 リハビリテーション室)	
CP26-3	フレイルの有無と心臓外科手術前後の身体機能の特徴	4439
	若菜 理 (社会医療法人天神会 新古賀病院 リハビリテーション課)	
CP26-4	心大血管手術後リハビリ・退院調整転院となるリスク因子の探索	4440
	佐藤 麻美 (公益財団法人 心臓血管研究所付属病院)	
CP26-5	心大血管手術患者における退院後 30 日以内早期予定外再入院に社会的背景は影響するか	4440
	佐藤 麻美 (公益財団法人 心臓血管研究所付属病院)	
CP26-6	心臓・血管外科病棟における開心術を受けた後期高齢者患者のフレイルの実態調査	4441
	渡邊 雅弘 (獨協医科大学病院 看護部)	
CP26-7	心大血管術後における離床拡大の阻害に体重増加率は影響するのか	4441
	菅原 直美 (社会医療法人 天陽会 中央病院 リハビリテーション部)	
CP26-8	体外式補助人工心臓を装着した乳児に対して理学療法介入し発達を促した一例	4442
	志真 奈緒子 (東京女子医科大学 リハビリテーション部)	

チーム医療セッション 一般演題 (ポスター) 27

心不全の在宅移行

9:00-17:00

座長: 伊東 紀揮 (医療法人社団ゆみの看護部)

- CP27-1 超低左心機能の特発性心筋症に対する術後包括的心臓リハビリテーションにより早期社会復帰を果たした一例 4443
吉 みなみ (南東北グループ 医療法人財団 健貢会 総合東京病院 リハビリテーション科)
- CP27-2 退院困難患者への心不全チーム介入 4444
三好 夏子 (KKR 高松病院)
- CP27-3 岐阜心臓リハビリテーションネットワーク (CR-GNet) 地域連携パス手帳の運用状況 4444
石原 真由美 (地方独立行政法人 岐阜県総合医療センター 看護部/心臓リハビリテーション部)
- CP27-4 入院高齢心不全症例の退院先に関する因子の検討 4445
増本 枝里子 (京都大学医学部附属病院 リハビリテーション部)
- CP27-5 演題取り下げ 4445
- CP27-6 演題取り下げ 4446

チーム医療セッション 一般演題 (ポスター) 28

慢性期看護

9:00-17:00

座長: 中根 英策 (公益財団法人 田附興風会 医学研究所 北野病院 心臓センター)

- CP28-1 心不全ノートを活用した再入院予防の取り組みにおける病棟看護師の役割 4447
島本 典子 (春日井市民病院)
- CP28-2 慢性心不全看護外来介入による再入院予防効果についての一考察 4448
五十嵐 葵 (聖路加国際病院 心血管センター)
- CP28-3 演題取り下げ 4448
- CP28-4 慢性心不全患者に対する看護師指導の現状—病院間の比較検討— 4449
松本 涼太 (宇部フロンティア大学 人間健康学部看護学科)
- CP28-5 社会的背景が外来心臓リハビリテーションの参加に与える影響について 4449
久保田 琴美 (SUBARU 健康保険組合 太田記念病院 看護部)
- CP28-6 当院における心不全患者の再入院に関する調査と検討 4450
飯沼 優 (筑波メディカルセンター病院)
- CP28-7 CCU 退室時の FSS-ICU スコアは転帰先や在院日数などに関与するのか 4450
吉田 貴信 (兵庫県立尼崎総合医療センター リハビリテーション部)
- CP28-8 演題取り下げ 4451

チーム医療セッション 一般演題 (ポスター) 29

チーム医療 1

9:00-17:00

座長: 石井 典子 (榊原記念病院看護部)

- CP29-1 心不全プロジェクト発足後における多職種介入の現状と課題 4452
佐藤 麻美 (公益財団法人 心臓血管研究所付属病院)
- CP29-2 演題取り下げ 4453
- CP29-3 心不全患者の指導実施率増加に向けた取り組み〜「心不全ワードパレット」の作成〜 4453
中村 友美 (荻窪病院 看護部)
- CP29-4 心不全ケアチームにおける診療看護師の役割の検討 4454
平久井 祐貴 (国際医療福祉大学病院 看護部)
- CP29-5 演題取り下げ 4454

CP29-6	内臓逆位に伴う解剖学的形態特性により呼吸不全、うっ血肝、高 NH ₃ 血症を合併した成人先天性心疾患に NST チームを含む多職種介入が有効だった一例	4455
	藤木 あかね (社会医療法人社団 至誠会 木村病院 栄養食事科)	
CP29-7	演題取り下げ	4455

チーム医療セッション 一般演題 (ポスター) 30

チーム医療 2 9:00-17:00

座長: 岡 岳文 (津山中央病院循環器内科)

CP30-1	多職種包括的医療による心臓リハビリテーションにおける看護師の役割について	4456
	葛原 誠太 (西九州大学 看護学科)	
CP30-2	演題取り下げ	4457
CP30-3	多職種参加型会議を活用した血管造影室における業務連携について	4457
	安樂 摩美 (京都大学医学部附属病院 放射線部)	
CP30-4	多職種介入の効果が見える心臓リハビリテーション～心臓リハビリテーションサマリーを導入して～	4458
	寺田 恭巳子 (佐賀県医療センター 好生館)	
CP30-5	病棟における退院支援の取り組み～多職種カンファレンス導入による効果～	4458
	井上 直美 (京都大学医学部附属病院 看護部 北病棟 5 階)	
CP30-6	心臓血管外科における Nurse Practitioner 導入の効果	4459
	永谷 ますみ (藤田医科大学病院)	

J-ReSS2020 9:00-17:00

JReSS-O	開会挨拶	2938
	木村 剛 (京都大学大学院医学研究科 循環器内科学)	
J-ReSS-A	JRC 代表理事挨拶	2939
	野々木 宏 (静岡県総合病院集中治療センター/JRC 代表理事)	

J-ReSS2020

ディベート「CPR を再考する」 1 9:00-17:00

座長: 田崎 修 (長崎大学救命救急センター)
座長: 佐藤 直樹 (かわぐち心臓呼吸器病院 循環器内科)

J-ReSS-DS1-1	Pros: アドレナリンは必要	2940
	竹内 一郎 (横浜市立大学附属市民総合医療センター 高度救命救急センター)	
J-ReSS-DS1-2	Cons: アドレナリンは不要	2941
	渥美 生弘 (聖隷浜松病院救命救急センター)	
	討論	2942

J-ReSS2020

ディベート「CPR を再考する」 2 9:00-17:00

座長: 船崎 俊一 (埼玉県済生会川口総合病院循環器内科/リハビリテーション科)
座長: 藤井 応理 (草津総合病院循環器内科)

J-ReSS-DS2-1	Pros: 抗不整脈薬は必要	2943
	網野 真理 (東海大学循環器内科)	
J-ReSS-DS2-2	Cons: 抗不整脈薬は不要	2944
	花田 裕之 (弘前大学高度救命救急センター)	

討論	2945
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J-ReSS2020

ディベート「CPR を再考する」 3

9:00-17:00

座長：真弓 俊彦（産業医科大学救急医学講座）
座長：西山 慶（京都医療センター救命救急センター）

J-ReSS-DS3-1 Pros：気管挿管は必要	2946
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鈴木 秀一（名古屋医療センター救急集中治療科）

J-ReSS-DS3-2 Cons：気管挿管は不要	2947
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宮部 浩道（総合大雄会病院集中治療科）

討論	2948
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J-ReSS2020

ディベート「CPR を再考する」 4

9:00-17:00

座長：加藤 正哉（和歌山県立医科大学救命救急センター）
座長：脇田 佳典（日本病院前救急救命学会（和歌山県消防学校））

J-ReSS-DS4-1 Pros：現場での処置：気管挿管がよい	2949
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竹田 豊（日本病院前救急救命学会（出雲市消防本部））

J-ReSS-DS4-2 Cons：現場での処置：声門上デバイスでよい	2950
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当麻 美樹（兵庫県立加古川医療センター 救命救急センター）

J-ReSS-DS4-3 Pros：現場での処置：薬剤投与まで行うべき	2951
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一柳 保（日本病院前救急救命学会（橋本・伊都地域消防指令センター））

J-ReSS-DS4-4 Cons：現場での処置：最低限のみでよい	2952
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畑中 哲生（救急救命九州研修所）

J-ReSS-DS 休憩	2953
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J-ReSS2020

CPR60 周年記念講演

お互いの命を守る社会づくり：あなたは愛する人を救えますか

9:00-17:00

座長：野々木 宏（静岡県立総合病院集中治療センター/JRC 代表理事）

J-ReSS-ML お互いの命を守る社会づくり：あなたは愛する人を救えますか	2954
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河村 剛史（河村循環器病クリニック）

J-ReSS2020

ポスター発表

9:00-17:00

J-ReSS-P-1 院外心停止の患者において ECPR 開始前のアシデミアは神経学的予後と関連する	2955
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岡田 遥平（京都大学大学院医学研究科予防医学分野）

J-ReSS-P-2 外傷性心停止例の搬送時間と生存率の検討	2956
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内藤 宏道（岡山大学大学院医歯薬学総合研究科 救命救急・災害医学講座）

J-ReSS-P-3 浴槽内の傷病者に対して一般の救助者が行う胸骨圧迫の質について	2957
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一柳 保（橋本・伊都地域消防指令センター／高野町消防本部）

J-ReSS-P-4 若年者に対する ECPR は長時間の Downtime でも許容できるか？	2958
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伊集院 真一（兵庫県災害医療センター・救急部）

J-ReSS-P-5 気道閉塞と入浴中の事故死は日本で年々増加しており、予防が必要である	2959
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花田 裕之（弘前大学高度救命救急センター）

J-ReSS-P-6	院外心停止患者における Conventional-CPR から E-CPR への適切な移行のタイミングについて	2960
	南 義成 (済生会熊本病院 心臓血管センター 循環器内科)	
J-ReSS-P-7	AHA のインストラクターであることは幸せですか?	2961
	藤田 絵津子 (広島大学病院 ICU)	
J-ReSS-P-8	心停止から目標体温到達までの時間は心停止後症候群の神経学的転帰に影響するか?	2962
	笠岡 俊志 (熊本大学病院 災害医療教育研究センター)	
J-ReSS-P-9	初期波形が除細動適応である院外心停止例における除細動から薬剤投与までの時間と予後の関連についての検討	2963
	川上 将司 (JCS-ReSS group)	
J-ReSS-P-10	心原性ショック患者に対する低体温療法の有用性	2964
	八木 司 (川口市立医療センター 循環器科)	

J-ReSS2020

シンポジウム ガイドライン 2020 の展望 1

9:00-17:00

座長: 西山 知佳 (京都大学大学院医学研究科人間健康科学系専攻臨床看護学講座クリティカルケア看護学分野)
 座長: 松山 匡 (京都府立医科大学救急・災害医療システム学)

J-ReSS-SY-1	① BLS (一次救命措置) ② ALS (二次救命措置)	2965
	若松 弘也 (山口大学集中治療部)	
J-ReSS-SY-2	③ NEO (新生児の蘇生) ④ PLS (小児の蘇生) ⑤ Maternal (妊産婦の蘇生)	2966
	櫻井 淳 (日本大学救急医学系救急集中治療医学分野)	
討論		2967

J-ReSS2020

シンポジウム ガイドライン 2020 の展望 1

9:00-17:00

座長: 永山 正雄 (国際医療福祉大学大学院医学研究科脳神経内科学)
 座長: 菊地 研 (獨協医科大学心臓血管内科/循環器内科 救命救急センター)

J-ReSS-SY-3	⑥ ACS (急性冠症候群) ⑦ NR (脳神経蘇生)	2968
	田原 良雄 (国立循環器病研究センター 心臓血管内科)	
J-ReSS-SY-4	⑧ FA (ファーストエイド) ⑨ EIT (普及教育のための方策)	2969
	石見 拓 (京都大学環境安全保健機構健康管理部門/健康科学センター)	
討論		2970

J-ReSS2020

閉会挨拶

9:00-17:00

J-ReSS-CL	実行委員長閉会挨拶	2971
	菊地 研 (獨協医科大学心臓・血管内科/循環器内科 救命救急センター)	

ESC-JCS Young Researchers Session

Cardiology in the Future

9:00-17:00

Chairperson: Tomasz Guzik (Institute of Cardiovascular & Medical Sciences, BHF Glasgow Cardiovascular Research CentreGlasgow, UK)
 Chairperson: Issei Komuro (Department of Cardiovascular Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo)

ESC-JS-Y-1	Novel approaches to protect the ischemic heart: blocking the pathway to heart failure	629
	Gemma Vilahur (Institut de Recerca - Hospital de la Santa Creu i Sant Pau, Spain)	
ESC-JS-Y-2	Many roads lead to atrial fibrillation! - Abnormal Ca ²⁺ handling in atrial myocytes -	630
	Wolfgang Niels Voigt (University Medical Center Göttingen, Georg-August University Göttingen, Germany)	

ESC-JS-Y-3	Generation of Human Disease Model for Personalized Medicine Targeting Intractable Cardiomyopathy	631
	Shuichiro Higo (Department of Medical Therapeutics for Heart Failure, Osaka University, Suita)	
ESC-JS-Y-4	Next generation cardiology for precision medicine	632
	Seitaro Nomura (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)	
ESC-APSC Joint Session		
Collaboration between ESC and APSC; Digital Cardiology Present & Future		9:00-17:00
Chairperson : Folkert W. Asselbergs (Department of Cardiology, Division Heart & Lungs, University Medical Center Utrecht, Netherlands)		
Chairperson : Takashi Akasaka (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)		
ESC-APSC-1	Data analytic of electronic medical record	624
	Folkert W. Asselbergs (Department of Cardiology, Division Heart & Lungs, University Medical Center Utrecht, Netherlands)	
ESC-APSC-2	Nation-Wide Data from JROAD-DPC and Registry Study	625
	Yoshihiro Miyamoto (Center for Cerebral and Cardiovascular Disease Information, National Cerebral and Cardiovascular Center, Suita)	
ESC-APSC-3	EMR/linkage/BigData approach	626
	Ilonca Vaartjes (Julius Center for Health Center and Primary Care, University Medical Center Utrecht, Netherlands)	
ESC-APSC-4	Remote Monitoring in Patients with Heart Failure	627
	Ayumu Yajima (Department of Cardiovascular Medicine, Saga University, Saga)	
ESC-APSC-5	Incorporating consumer grade wearable fitness tracking into clinical research	628
	Khung Keong Yeo (National Heart Centre Singapore, Singapore)	