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留意ください。
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Epigenome/RNA and Signaling

**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)

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**Chairperson:** Keiichi Fukuda (Department of Cardiology, Keio University School of Medicine, Tokyo)
**Chairperson:** Youngkeun Ahn (Chonnam National University Medical School, Gwangju, Korea)

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座長：大石 謙悟（兵庫県立循環器病センター循環器内科）

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座長：志賀 剛（東京慈恵会医科大学臨床薬学講座）
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座長：松本 直也（日本大学循環器内科）

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座長：伊藤 裕二（東海大学医学部医学系循環器内科）
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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）
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座長：竹内 弘枝（北関東循環器病院循環器内科）

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総合討論

日本循環器学会委員会セッション（学術委員会）

日本循環器学会委員会セッション（学術委員会）
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座長：植経-塩井 弥生（日本医科大学武蔵小杉病院救急・総合診療センター）

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ダイバーシティ推進委員会-2 検査型心臓デバイス患者管理の立場から
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
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 心血管学科領域で共働きする医師の立場から
渡邉 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

日本循環器学会委員会セッション（学術委員会）

座長：大手 信之（名古屋市立大学大学院医学研究科心臓・脳血管内科学）

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
房室弁開放時の視覚的評価に基づく左心不全病態動態評価法に関する検討
杉山 申夫（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
心電図心拍変動解析と運動強度の自己管理システムの開発
福井 恭信（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
脳卒中リハビリテーションにおける脳梗塞神経栄養因子（Brain-derived Neurotrophic Factor：BDNF）と運動耐容能との関連についての検討
堤田 裕也（新潟大学大学院医療センター 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）
座長：森藤 龍彦（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
心不全合併心房細動に対するアブレッション治療の心機能改善効果 - 一次性陽圧荷重試験を用いた前向き観察研究 - 699

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

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狭帯の予防・治療に関する研究 - 701

日本の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
座長：三浦 一則（札幌医科大学循環器・腎臓・代謝内科学講座）

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 哲也（一般社団法人 日本医療安全調査機構）

日本の循環器学会委員会セッション（倫理委員会）
座長：巖田 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 李生（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
座長：Fausto J. Pinto (Lisbon School of Medicine-Universidade de Lisboa, Portugal)
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 Programmed 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
Peter J. Schwartz (Istituto Auxologico Italiano IRCCS, Italy) 711

FRS2-2 Copy Number Variation of SCN5A in Sick Sinus Syndrome
Keiko Sonoda (Department of Biobioenge and Genetics, National Cerebral and Cardiovascular Center, Suita) 712

FRS2-3 Impact of Functional Studies on Exome Sequence Variant Interpretation in Early-onset Cardiac Conduction System Diseases
Kenshi Hayashi (Department of Cardiovascular Medicine, Kanazawa University Graduate School of Medical Sciences, Kanazawa) 713

FRS2-4 Severe Phenotype in RYR2 Variant Carriers with Idiopathic Primary Arrhythmia Syndromes
Megumi Fukuyama (Department of Cardiology, Shiga University School of Medicine, Otsu) 714

FRS2-5 Minute but Continuous Systemic Inflammation is Associated with Major Bleeding Risk in Non-valvular Atrial Fibrillation Treated with Direct Oral Anticoagulants
Yuma Hamanaka (Department of Cardiology, Osaka Police Hospital, Osaka) 715

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
Barbara Casadei (University of Oxford, UK) 716

FRS3-2 GDF-15 as a Predictor of Total Mortality in Prediabetic Patients with Suspected or Known Coronary Artery Disease: The ANOX Study
Hiromichi Wada (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto) 717

FRS3-3 Reduced Change in Heart Rate between the Upright and Supine Positions Indicates Cardiac Overload in Patients with Cardiovascular Risk Factor
Yusuke Oba (Division of Cardiovascular Medicine, Department of Internal Medicine, Jichi Medical University School of Medicine, Tochigi) 718

FRS3-4 Prognostic Value of VEGF-D in Patients with Heart Failure and Suspected or Known Coronary Artery Disease: The ANOX Study
Moritake Iguchi (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto) 719

FRS3-5 Circulating Long Non-coding RNA H19 as a Novel Biomarker for Right Ventricular Failure Associated with Pulmonary Arterial Hypertension
Junichi Omura (Pulmonary Hypertension and Vascular Biology Research Group of Quebec Heart and Lung Institute, Laval University, Canada) 720

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
Percutaneous High-Density Mapping in Catheter Ablation of Cardiac Arrhythmias
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
Rena Nakamura (Department of Cardiology, Japan Red Cross Yokohama City Hospital, Yokohama)

FRS4-3: Ripple Map Guided Atrial Delayed Potential Ablation for Patients with Persistent Atrial Fibrillation
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
Naoki Nishiyama (Department of Cardiology, Dokkyo Medical University Saitama Medical Center, Saitama)

FRS4-5: Predictors of Lead Break in Transvenous Lead Extraction
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
James F. Martin (Baylor College of Medicine, USA)

FRS5-2: Application of Proteomics Profiling for Biomarker Discovery in Hypertrophic Cardiomyopathy
Yuichi J. Shimada (Columbia University Medical Center, USA)

FRS5-3: Long Intergenic Noncoding RNA, Lionheart, Regulates Heart Size and Contributes to the Protection from Pressure Overload Induced Heart Failure
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
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
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
Shiro Baba (Department of Pediatrics, Kyoto University, Kyoto)

FRS6-2: Incidence, Predictors, and Mortality of Liver Cancer in Patients after Fontan Operation
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
Naomi Nakazawa (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

FRS6-4: Withdrawn

FRS6-5: Withdrawn
Featured Research Session 7
Vascular Biology
9:00-17:00

Chairperson: Susumu Minaminawa (The Jikei University, Cell Physiologety, 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
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
Seki 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: 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 Aoiki (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)
Featured Research Session 10
Coronary Circulation
9:00-17:00

Chairperson: Kazushige Kadota (Department of Cardiology, Kyoto University Graduate School of Medicine, Kyoto)
Chairperson: Hiroshi Watanabe (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
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
Kazushige Kadota (Department of Cardiology, Kyoto University Graduate School of Medicine, Kyoto)

FRS10-2 Comparison of Chronic Phase Vascular Healing Detected by Optical Coherence Tomography between Bioabsorbable and Durable Polymer Drug Eluting Stents
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
Chieh-Ju Chao (Mayo Clinic Arizona, USA)

FRS10-4 Comparison of 5-Year Outcomes after CAVG and PCI for Severe Coronary Artery Disease in Patients with Previous Stroke
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
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
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
Takeshi Kita (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)

FRS11-3 Seated Postural Hypotension is Associated with Lower Heart Failure Readmission Risk in Older Patients with Heart Failure: Insights from FRAGILE-HF
Tsutomu Sunahama (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: Masami 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 COMMAND 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 Nakatsukasa (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：真茅 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
真茅 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られる役割 ........................................ 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：長谷川 賢幸（旭川医科大学循環・呼吸・神経病態内科学）
座長：真下 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/坂戸 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所 健康開発科学研究所）

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（横浜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
伊東 春樹（柳原記念病院 総合循環器内科）

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
沖田 孝一（北里大学大学院 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

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 優子（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
足達 寛子（あだち健康行動学研究所/医療法人 あだち循環器内科クリニック）

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
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—
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 医療健診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—
井澤 和大（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

座長：渡邉 裕司（筑波医科大学臨床薬物学講座）
座長：黒原 夫子（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
植田 真一郎（埼玉大学 臨床薬学）

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

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 輝（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
山口 隆義（平岡青洲記念病院 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
吉田 学登（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
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
野口 晃夫（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

Topics: Arrhythmia 1
How to Manage Atrial Fibrillation in an Integrated Manner: Easy as ABC

Chairperson: Akihiko Shimizu (Ubekosan Central Hospital, Ube)
Chairperson: Hirofumi Tomita (Department of Cardiology, Hirotsuki University Graduate School of Medicine, Hirotsuki)
Discussant: Gregory Y. H. Lip (Liverpool Centre for Cardiovascular Science at the University of Liverpool, Liverpool Heart & Chest Hospital, UK)
Discussant: Tae-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: Arrhythmia 1-1 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: Arrhythmia 1-2 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: Arrhythmia 1-3 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: Arrhythmia 1-4 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, Osaka-sayama)
Discussant: Morio Shoda (Tokyo Women’s Medical University, Department of Cardiology, Tokyo)
Discussant: Michio Nagashima (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

Topics: Arrhythmia 3-1 Recent Advances in Leadless Pacemaker 1241
Petr Neuzil (Na Homolce Hospital, Czech Republic)

Topics: Arrhythmia 3-2 Recent Advance in His Pacing 1242
Wei-Jian Huang (Cardiovascular Medicine Department, The First Affiliated Hospital of Wenzhou Medical University, China)

Topics: Arrhythmia 3-3 Recent Advances in Implantable Cardiac Defibrillator 1243
Takashi Kurita (Division of Cardiovascular Center, Kindai University, Osaka-sayama)

Topics: Arrhythmia 3-4 Recent Advances in Cardiac Resynchronization Therapy 1244
Anne B. Curtis (Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, USA)

Topics: Arrhythmia 3-5 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: Coronary 7
Registries of Coronary Artery Disease

9:00-17:00

Chairperson: Gaku Nakazawa (Kindai University Hospital, Osaka)
Chairperson: Hiroshi Shiono (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, Kindai University Hospital, Osaka)
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

Yasushi Ueki (Cardiology, Bern University Hospital, Switzerland)

Topics: Coronary7-2 Overview of CREDO-Kyoto Registries

Hiroshi Shiono (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Topics: Coronary7-3 Kics Registry

Nobuhiro Ikemura (Department of Cardiology, Keio University School of Medicine, Tokyo)

Topics: Coronary7-4 CABG Registry in Japan

Noboru Motomura (Department of Cardiovascular Surgery, Toho University Sakura Medical Center, Sakura)

Topics: Coronary7-5 J-PCI Registry

Kyohei Yamaji (Division of Cardiology, Kokura Memorial Hospital, Kitakyushu)

Topics: Coronary7-6 Asian Registry

Duk-Woo Park (ASAN Medical Center, Korea)

Topics: Coronary7-7 CAD Registry in US

Taku Inohara (Division of Cardiology, Vancouver General Hospital, Canada)
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

座長：小林 順二郎（国立循環器病研究センター）
座長：栗田 功彦（大阪市立大学心臓血管外科）

ディスカッサント：雨村 元樹（鳥取大学医学部心臓血管外科）
ディスカッサント：中村 啓之（九州大学医学部心臓血管外科）

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

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

トピックス：心臓外科 3-3 安定に MICS-AVR、MVP を始める為には
恒吉 清史（静岡県立総合病院心臓血管外科）

トピックス：救急 6
心臓突然死を減らす：JCS2020 救急発見検討企画 9:00-17:00

座長：佐藤 直樹（かずみ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）

ディスカッサント：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
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
上田 慎行（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
北村 哲久（大阪大学医学系研究科社会医学講座）

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

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

話題：心不全 1
New Directions in the Management of HFpEF: ARNI, SGLT-2 Inhibitors, and More

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)

話題：Heart Failure 1 Keynote Lecture
Felipe Alberto Martinez (Instituto DAMIC - Fundacion Ruscelleda, Argentina)

話題：Heart Failure 1 JCS Guidelines Expert Comment
Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

話題：Heart Failure 1 Etiology Pathophysiology Expert Comment
Masayuki Shiba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
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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)
Discussion: Masaru Obokata (Department of Cardiovascular Medicine, Gunma University Hospital, Maebashi)
Discussion: Hiroyuki Iwano (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)
Discussion: Tadafumi Sugimoto (Department of Clinical Laboratory, Mie University Hospital, Tsu)
Discussion: Kenya Kusunose (Department of Cardiovascular Medicine, Tokushima University Hospital, Tokushima)

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Jae K. Oh (Mayo Clinic, USA)

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Masaru Obokata (Department of Cardiovascular Medicine, Gunma University Hospital, Maebashi)

Topics: Heart Failure 2-3  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 Failure 2-4  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 Failure 2-5  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
心不全診断に関する検討を経て9:00-17:00

座長: 佐藤 哲人 (兵庫県立塚市総合医療センター)
ディスカッショントーク: 村尾 真 (名古屋市立大学 外科学系研究科 総合医学論)（診療内科学）
ディスカッショントーク: 木村 元弘 (近畿大学大学院医学系研究科 衛生保健医学)（診療内科学）
ディスカッショントーク: 川上 博 (奈良県立医科大学 呼吸器内科学)

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加藤 貴雄 (京都大学大学院医学系研究科 呼吸器内科学)

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 呼吸器・循環器内科)
座長: 南野 哲男 (香川大学医学部 呼吸器・循環器内科)
ディスカッショントーク: 松尾 洋平 (足利赤十字病院循環器内科)
ディスカッショントーク: 石井 利幸 (北海道大学医学部附属病院循環器内科)
ディスカッショントーク: 原田 和章 (東京都健康长寿医療センター循環器内科)
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 心臓循環器治療学講座）
Chairperson: 多田 悦（倉敷中央病院 循環器内科）
Discussant: 葛西 俊敏（順天堂大学病院医学研究科 循環器内科学講座）
Discussant: 谷口 達典（大阪大学医学系研究所 循環器内科学）
Discussant: 田村 俊寛（大阪留医病院 循環器内科）

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加藤 真就人（うしお病院）

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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（大阪留医病院 心臓血管センター）

Topics: Heart Failure5-4 Home Telemonitoring for Heart Failure 1462
琴岡 郁彦（佐賀大学循環器内科学 心臓血管不全治療講座）

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谷口 達典（大阪大学医学系研究所 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（Hirakatakokusai 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）

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Naoki Sato（Department of Cardiovascular Medicine, Kawaguchi Cardiovascular and Respiratory Hospital, Kawaguchi）

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Takashi Kohno（Kyorin University School of Medicine, Mitaka）

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Yuya Matsue（Department of Cardiovascular Medicine, Juntendo University, Tokyo）

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Hidehito Yaku（Mitsubishi Kyoto Hospital/Kyoto University, Kyoto）

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Alexandre Mebazaa（Hôpital Lariboisière University Paris 7, France）
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Yasuhiro Sakata (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

Topics: Heart Failure7-1  Multimodality Imaging in Ischemic Cardiomyopathy  
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  
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  
岩野 弘幸 (北海道大学大学院医学研究院 循環器内科学)

Topics: Heart Failure7-4  Multimodality Imaging in HCM  
酒谷 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  
藤田 修一 (大阪医科大学循環器内科)

Topics: Heart Failure8-1  Clinical Application of Designer Natriuretic Peptide  
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  
中川 靖章 (京都大学大学院医学研究科 循環器内科)

Topics: Heart Failure8-3  Structure of Glycosylation Attached to N-terminal Region of proBNP Importance of Processing of proBNP in Heart Failure  
高濃 博幸 (国立循環器病研究センター)

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  
錦見 俊雄 (若草電気リハビリテーション病院)

Topics: Heart Failure8-5  Significance of Cardiac Natriuretic Peptide Signaling in Cardiac Remodeling  
德留 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  
望月 直樹 (国立循環器病研究センター研究所)

Topics: Heart Failure9-1  Multimodality Imaging in Non-ischemic Dilated Cardiomyopathy  
岩野 弘幸 (北海道大学大学院医学研究院 循環器内科学)

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中原 健裕 (慶應義塾大学 放射線診断科)

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藤田 修一 (大阪医科大学循環器内科)

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中原 健裕 (慶應義塾大学 放射線診断科)

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Topics: Heart Failure10-3  Multimodality Imaging in Non-ischemic Dilated Cardiomyopathy  
岩野 弘幸 (北海道大学大学院医学研究院 循環器内科学)

Topics: Heart Failure10-4  Multimodality Imaging in Ischemic Cardiomyopathy  
中原 健裕 (慶應義塾大学 放射線診断科)

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藤田 修一 (大阪医科大学循環器内科)

Topics: Heart Failure10-6  Multimodality Imaging in Non-ischemic Dilated Cardiomyopathy  
岩野 弘幸 (北海道大学大学院医学研究院 循環器内科学)

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中原 健裕 (慶應義塾大学 放射線診断科)

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藤田 修一 (大阪医科大学循環器内科)

Topics: Heart Failure11-3  Multimodality Imaging in Non-ischemic Dilated Cardiomyopathy  
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Topics: Heart Failure12-4  Multimodality Imaging in Ischemic Cardiomyopathy  
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藤田 修一 (大阪医科大学循環器内科)

Topics: Heart Failure12-6  Multimodality Imaging in Non-ischemic Dilated Cardiomyopathy  
岩野 弘幸 (北海道大学大学院医学研究院 循環器内科学)
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: Shuichiro 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

Jean-Sebastian Hulot (Paris Cardiovascular Research Center (PARCC), France)

Topics: iPS2-2 Risk Stratification of Drug-induced LQTS Using iPSCs

Jean-Sebastian Hulot (Paris Cardiovascular Research Center (PARCC), France)

Topics: iPS2-3 Drug Discovery for Cardiomyopathies Using Disease-specific iPSCs

Shuichiro 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

Shuichiro Higo (Department of Medical Therapeutics for Heart Failure, Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

Topics: iPS2-5 Disease Modeling of Dilated Cardiomyopathy - Application of iPSC and Single-cell Omics Technology

Seitaro Nomura (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)
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（臨床研究開発評価教育機構）
座長：富山 博史（東京医科歯科大学循環器内科）
ディスカッサント：甲斐 久史（九州大学医学部循環器内科）
ディスカッサント：上田 友章（横浜市立大学医学部循環器臓器高血圧内科学）
ディスカッサント：石川 講治（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カープ仮説
甲斐 久史（九州大学医学部循環器内科）

トピックス：予防 2-2 レニン・アンジオテンシンと腎器障害
上田 友章（横浜市立大学医学部循環器臓器高血圧内科学）

トピックス：予防 2-3 高血圧と認知症
石川 講治（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
桑島 巖（臨床研究開発評価教育機構）

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：光崎 秀明（北里大学小児循環器集中治療科）
座長：小野 柱（東京大学心臓外科）
ディスカッサント：小田 晴広（大阪大学循環器センターキア新生児科）
ディスカッサント：成田 淳（大阪大学医学系研究科小児科学）
ディスカッサント：鈴木 幸明（岐阜医科大学形成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
市川 輝（国立循環器病研究センター病院小児心臓外科）

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
福岡 教徳（国立循環器病研究センター病院移植医療部）
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）
ディスカッサント：井上 優（国立循環器病研究センター心臓血管内科）
ディスカッサント：二井 理文（三重大学産婦人科）

トピックス：小児心臓 3-1 基礎講演 周産期心筋症の早期診断検査と診断ガイドライン
神谷 千津子（国立循環器病研究センター 産婦人科）

討論 1580

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
木村 建樹（名古屋大学循環器内科）

討論 1582

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
吉松 淳（国立循環器病研究センター 病院内産婦人科部）

討論 1584

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）
ディスカッサント：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）
ディスカッサント：坂谷 喜一（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）
ディスカッサント：田邉 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
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 1592

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

トピックス：小児心臓 5-3 Treat & Repair の適応と長期予後
赤木 順治（岡山大学 執務内科学）

討論 1596

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：米川 響子（大阪大学医学部医学教育センター）
ディスカッサント：吉永 正夫（鹿児島医療センター小児科）
ディスカッサント：青木 寿明（大阪大学医療センター小児循環器科）
ディスカッサント：瀧野 恵一（富山大学医学部小児科）
ディスカッサント：牛ノ瀬 大也（大阪こどもクリニック）

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
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）
青木 寿明（大阪大学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
瀧野 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
牛渕 慎治（大澤こどもクリニック）

トピックス：小児心臓 8
成人先天性心疾患の画像評価

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
長尾 充成（東京女子医科大学 画像診断・核医学講座）

トピックス：小児心臓 8-2 成人期川崎病と冠動脈 CT
鈴木 聡（日本大学医学部附属板橋病院小児科）

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
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）

Topics: Pulmonary Hypertension
Recent Advances in the Management of Pulmonary Hypertension

Chairperson : Jean-Luc Vachiery (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 Cardiology, Pulmonary Disease, Nagoya)
Discussant : Kazufumi Nakamura (Department of Cardiovascular Medicine, Okayama University, Okayama)

Topics: Pulmonary Hypertension-1 Progress and Problems in the Management of PAH
Jean-Luc Vachiery (Brussels University Clinics - Erasmus Hospital, Belgium)

Topics: Pulmonary Hypertension-2 Recent Advances in PAH Therapy from Japanese PH Registry Data
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
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
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
Takeshi Ogo (National Cerebral and Cardiovascular Center, Suita)

Topics: Pulmonary Hypertension-6 Genetic Testing in Pulmonary Arterial Hypertension
Takahiro Hiraide (Department of Cardiology, Keio University School of Medicine, Tokyo)

Topics: SHD 5
Registries of Aortic Stenosis

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)
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）
ディスカッサント：水牧 勝一（アルペン室谷クリニック）
ディスカッサント：山崎 文晴（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

三羽 邦久（ミワ内科クリニック）

1712

循環器関連領域の話題 3-2 基調講演（オーバービュー）

佐藤 喜子（東京女子医科大学大学院医療センター）

1713

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

石井 智子（POTS and Dysautonomia Japan、起立不耐症研究会）

1714

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

住吉 正孝（順天堂大学医学部附属医学研究所循環器内科）

1715

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

三羽 邦久（ミワ内科クリニック）

1716

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：山崎 杏平（小倉記念病院循環器内科）
座長：鍵谷 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）

奥野 敬史（京都大学大学院医学研究科 ビッグデータ医科学研究）

1731

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

内野 由一郎（京都大学大学院医学研究科 医療情報 AIシステム学講座）

1732

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

岩崎 智子（京都大学医学部）

1733

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？

甲木 学技（GEヘルスケア・ジャパン株式会社 研究開発部）

1734

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

加地 修一郎（福島市立医療センター中央市民病院循環器内科）

1735

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

検山 優子（株式会社MICIN）

1736

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？

加藤 健太郎（独立行政法人医薬品医療機器総合機構（PMDA））

1737
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）
座長：黒田 知宏（京都大学医学部附属病院）
座長：山崎 春平（小児記念病院循環器内科）
座長：稲谷 泰彦（京都大学大学院医学研究科循環器内科学）
ディスカッショナー：猪野 光史（京都大学大学院医学研究科ビッグデータ医科学）
ディスカッショナー：内野 泳一郎（京都大学大学院医学研究科医療情報AIシステム学講座）
ディスカッショナー：若槻 利子（京都大学医学部）
ディスカッショナー：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
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？
渡邉 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
山崎 春光（卒後医師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

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？
藤原 幸一（名古屋大学大学院工学研究科物流シミュレーション工学専攻）

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～
岡田 弘（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技術者に不足しきちな視点は

AI技術をどのように循環器診療に役立たせるか
討論

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？
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 慎理（天理医療大学医学部循環器内科学講座循環器内科）

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
金井 慎理（天理医療大学医学部循環器内科学講座循環器内科）

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か－
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－
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
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－
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、米国で循環器医はこうやっている
ベック 裕子（University of Buffalo, USA）

討論
Oral Case Presentations 1
Oral Case Presentations: Medical Students

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 Presentations 1-1 A Case of Low-flow Low-gradient AS with Cardiac Amyloidosis
Kotaro Haruna (Kyoto University School of Medicine, Kyoto)

Discussants:
- Takao Kato (Kyoto University, Kyoto)
- Jun Koyama (Maruko Central Hospital, Ueda)

Oral Case Presentations 1-2 Three Cases of Cardiac Amyloidosis
Masato Hayashi (Kyoto University Faculty of Medicine, Kyoto)

Discussants:
- Masayuki Shiba (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- Shuhei Tagi (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

Oral Case Presentations 1-3 A Case of Cardiac Sarcoidosis in Which Serial Follow-up of FDG-PET was Useful for Steroid Therapy
Ayano Honda (Kyoto University, Kyoto)

Discussants:
- Takahiro Horie (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- Hiroshi Ohira (First Department of Medicine, Hokkaido University, Sapporo)

Oral Case Presentations 1-4 "An imprisoned heart" Arrested by Pillory of Calcified Ring Surrounding Both Ventricle: An Extremely Rare Case of Constrictive Pericarditis
Akihiro Oe (Kobe University, Kobe)

Discussants:
- Kensuke Matsumoto (Kobe University Graduate School of Medicine, Department of Internal Medicine, Division of Cardiovascular Medicine, Kobe)
- Kenichi Sakakura (Saitama Medical Center, Jichi Medical University, Saitama)

Oral Case Presentations 1-5 MitraClip can be a Good Option to Treat Uncontrollable Heart Failure with Functional Mitral Regurgitation: A Case Report
Aoi Omori (Kyoto University, Kyoto)

Discussants:
- Osamu Baba (Department of Cardiovascular Medicine, Kyoto University Hospital, Kyoto)
- Yuhei Yamaji (Kita Hospital, Osaka)

Oral Case Presentations 1-6 Right Heart Valves Repair in an Adult Patient with Severe Pulmonary and Tricuspid Regurgitation after Repair of Congenital Anomalies of LMT Origin
Hiroko Hashimoto (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)

Discussants:
- Masao Takigami (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)
- Shiro Baba (Department of Pediatrics, Kyoto University Hospital, Kyoto)

Oral Case Presentations 1-7 A Case of Unstable Angina Pectoris Associated with Essential Thrombocytosis in a Young Female
Mai Yamazoe (Kyoto Prefectural University of Medicine, Kyoto)

Discussants:
- Naohiko Nakanishi (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)
- Masayuki Iwaki (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: Yuichi Maekawa (Internal Medicine III, Hamamatsu University School of Medicine, Hamamatsu)

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Chairperson: Shin Watanabe (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

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- Mamoru Toyofuku (Japanese Red Cross Wakayama Medical Center, Wakayama)
- Mitsuhiro Ake (Division of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- Kentaro Hayashida (Department of Cardiology, Keio University School of Medicine, Tokyo)
- Kohei Yamaji (Kokura Memorial Hospital, Division of Cardiology, Kitakyushu)
- Hiroyuki Hara (Division of Cardiovascular Surgery, Japan Red Cross Society Wakayama Medical Center, Wakayama)

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世界に拡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

世界に拡がる日本発の医療機器-1 PTMC 開発の歴史と世界への普及
井上 寛治 (PTMC 研究所)

世界に拡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)
齋藤 成達 (京都大学大学院医学研究科循環器内科学)
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Discussant : Yasuhiro Sakata (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
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Chairperson : Susumu Minamisawa (The Jikei University, Cell Physiology, Tokyo)
Discussant : Rei Shibata (Department of Advanced Cardiovascular Therapeutics, Nagoya University, Nagoya)

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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)

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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)

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

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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)
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Naotada Ishihara (Graduate School of Science, Osaka University, Toyonaka)

### Basic 4-2 Cardiometabolic Dysregulation in Cardiovascular Disease
Motoaki Sano (Department of Cardiology, Keio University School of Medicine, Tokyo)

### Basic 4-3 Mitochondrial Pathology and Myocardial Disease
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Atsuhito Takeda (Hokkaido University Hospital Division of Child Maternal and Female medicine)

### Basic 4-4 Mitochondrial Dysfunction, Mitophagy and Heart Failure
Satosuki Matoba (Department of Cardiovascular Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto)

### Basic 4-5 Investigation of Drug Delivery System Targeting Mitochondria
Yuma Yamada (Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo)

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Keiichi Suzuki (Institute for Advanced Co-Creation Studies, Osaka University, Suita)

#### Basic6-2 Targeted Disruption of HLA Genes for Clinical Application of iPSCs
Yoshimori Yoshida (Center for iPS Cell Research and Application, Kyoto University, Kyoto)

#### Basic6-3 New CRISPR Technology for Genome Editing
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
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Tatsuya Shimizu (Institute of Advanced Biomedical Engineering and Science, Tokyo Women’s Medical University, Tokyo)

#### Basic7-2 Cardio-Oncology Safety Pharmacology
Yasuhiro Kanda (Division of Pharmacology, National Institute of Health Sciences, Kawasaki)

#### Basic7-3 Cardiac Arrhythmias
Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

#### Basic7-4 Cardiac Electrophysiology Using iPSC Cardiomyocytes
Bjorn C. Knollman (Vanderbilt University Medical Center, USA)

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**最新治療を学ぶ 1**

**冠動脈疾患診療最新の動向**

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 : 石野 正治（兵庫医科大学循環器・腎臓内科）

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中村 正人（東邦大学医療センター大橋病院 循環器内科）
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座長：大北 裕（高槻病院心臓・大血管センター）

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座長：福永 篤子（愛知大学薬学部）
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：布呂 伸（自治医科大学医学部腫瘍内科・集中治療医学講座集中治療医学部門）
ディスカッサント：弁護 雄二（川崎市立療養院 保健看護学科）
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座長：藤原久義（兵庫県立尼崎総合医療センター）
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座長：木村新治（昭和大学医学部内科学講座　循環器内科）
座長：池田孝一（北海道大学医学部循環器内科）

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ディスクサッター：今井 優（康生会クリニック健康運動指導科）
ディスクサッター：宇佐美 俊樹（関西急性病院循環器内科）
ディスクサッター：石津 弘太郎（松方公療病院リハビリテーション科）

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座長：麻野丼 英次（大阪大学大学院工学研究科 情報工学専攻 共同研究部門）
座長：井澤 英夫（産業医科大学 ばんたぬ病院循環器内科）

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人生100年時代の健康長寿 5-2 循環器疾患と睡眠
宜久 利臣（福井県立医科大学循環器内科・睡眠中心治療学講座）

人生100年時代の健康長寿 5-3 マインドフルネスと睡眠
二宮 剛（慶應義塾大学医学部 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
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!!

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）
ディスクサッター：高村 伸一（さいたま市医療センター）
ディスクサッター：朝倉二郎（福岡大学）
ディスクサッター：山川 章（東京医科大学医学教育推進センター）
ディスクサッター：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？
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？
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？
益崎 裕章（筑波大学 内分泌代謝・血液・糖尿病内科講座）

人生100年時代の健康長寿 6-4 ゲノム解析をリスクリスク別化にどう活かす？
小山 智史（理化学研究所 生命科学研究センター）
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？
座長：安達 仁（福岡県立心臓血管センタ循環器内科）
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 セッションの旨趣・現状の問題ミニアチフラ
安達 仁（福岡県立心臓血管センター循環器内科）
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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—動性タンパク質推奨
堤 理恵（徳島大学大学院歯学研究部 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（プランテベースホールフード）
鈴木 嘉恵（鈴木形成外科）
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折口 秀樹（JCHO 九州病院健康診断部）
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座長：荒井 秀典（国立長崎医療研究センター）
座長：吉田 俊子（聖路加国際大学）
ディスカッサント：森脇 美和（関西電力病院循環器内科）
ディスカッサント：神谷 健太郎（北里大学医学衛生学部リハビリテーション学科）
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松村 佳苗（京都大学医学部附属病院保健安全管理部）
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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 転倒・転落を予防するためには—身体づくり・環境整備
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青山 常樹（京都大学医学研究科・医学部 臨床運動器科学研究室）
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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）

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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）

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座長：石津 箭子（筑波大学医学部医学系臨床検査医学）

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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（豊島ハートセンター循環器内科）

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座長：柴田 剛徳（宮崎市立医師会病院循環器内科）

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座長：猪又 李元（法政大学北里研究所病院循環器内科）

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大動脈弁狭窄症を学ぶ 9:00-17:00

座長：田村 俊寛（千葉大学医学部附属病院循環器内科）

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座長：田崎 淳一（京都大学医学部附属病院循環器内科）
座長：蔵渕 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（福岡記念病院循環器内科）
ディスカッサント：伊藤 明規（小倉記念病院検査技師部工学課）

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座長：出雲 昌樹（聖マリアンナ医科大学循環器内科）

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座長：草野 研吾（国立循環器病研究センター心臓血管内科）

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TAVIの Tips and Tricks 9:00-17:00

座長：桝原 哲也（川崎病院循環器内科）

・モーニング 14-1 二尖弁大動脈弁狭帯症に対する TAVI
中野 太（湘南鎌倉病院 循環器内科）

・モーニング 14-2 TAVI 後の抗血栓療法
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座長：春名 徹也（北野病院心臓センター 不整脈科）

・モーニング 15 救急現場での不整脈の読み方
安 美幸（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：塚見 純樹（京都大学循環器内科）

・モーニング 16 知っておくと役立つバイオマーカー
成瀬 宽之（藤田医科大学 臨床検査科）

モーニングセミナー 17
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座長：大迫 慎（東京大学病院循環器内科）
座長：中村 正（三重大学医学部循環器内科）

・モーニング 17-1 Retrograde approachにおける channel selection
那須 貴成（豊橋ハートセンター 循環器科）

・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
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・モーニング 17-3 Retrograde Knuckle procedure
登谷 正彦（昭和大学横浜北部病院循環器内科）

・モーニング 17-4 From embolization for channel perforation
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・モーニング 18-1 From TEE operator
片岡 明久（帝京大学医学部附属病院 循環器内科）

・モーニング 18-2 From Device operator
久保 俊介（倉敷中央病院 循環器内科）
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ディスカッション：加藤 慧子（倉敷中央病院 循環器内科）
ディスカッション：高見澤 格（公益財団法人日本心臓血管研究所所属肥原記念病院 循環器内科）

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座長：出雲 昌樹（聖マリアンナ医科大学循環器内科）

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<td>都市部での診療連携システムの構築法</td>
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座長：犬塚 康孝（滋賀県立総合病院循環器内科）

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座長：三宅 渉（天理よろず相談所病院循環器内科）

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</table>

座長：田崎 淳一（京都大学医学部附属病院循環器内科）

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座長：井上 優美（関西記念病院 研究部）

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座長：関口 幸夫（霞ヶ浦医療センター循環器内科）

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<td>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</td>
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座長：坂田 憲治（金沢大学附属病院循環器内科）

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LAA closure の Tips and Tricks

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座長：中村 淳（新東京病院 心臓内科）

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座長：近藤 正臣（横浜市立大学附属病院・循環器内科）

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座長：十全 俊（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 - Two-stent approach
座長：福 康志（倉敷中央病院心臓センター循環器内科）

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座長：岡野 賢明（町田第二病院内科・京都大学病院肺高血圧外来）

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座長：加藤 悠理（京都大学大学院医学部医学研究科循環器内科）

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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 亘哉（近畿病院）
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（近畿病院）
ディスカッサント：本江 純子（関西記念病院循環器センター）
ディスカッサント：柴田 剛徳（呉市循環器病院循環器内科）
ディスカッサント：船津 篤史（京都杜病院心臓血管内科）
ディスカッサント：中村 淳（新東京病院心臓内科）

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座長：飯谷 騎一（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 拓也（名古屋工業大学）
座長：上崎 徳久（心臓血管研究所循環器内科）

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田中建（東京農工大学 グローバルイノベーション研究院）

特筆事項5-3 左室心内圧較差と左室能動拡張のメカニズム
高橋健（東京農工大学 小児科学教室）

特筆事項5-4 4D flow MRI でみた心筋疾患
関根鉄朗（日本医科大学 放射線科）

特筆事項5-5 心臓放射線画像と数値流体モデルの構築
植田健也（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）

特筆事項5-6 心臓大血管の流体構造連成解析モデル
澁沢研二（早稲田大学 創造理工学部総合機械工学科）

特筆事項5-7 電気インパララ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
武居昌宏（千葉大学大学院 工学研究院）

特筆事項5-8 成人先天性心疾患の診断と治療のための血流解析
板谷慶一（京都府立医科大学 心臓血管外科 心臓血管血液流解析学講座）

Fireside Seminar 14
Exploring the Best Antiplatelet Regimen after PCI in East Asia and Globally 9:00-17:00
Chairperson : Masahiro Natsuki (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 P2Y12 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 Ohbayashi (Department of Cardiology, Tenri Hospital, Tenri)
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Chairperson : Toshinuki Izumi (Department of Cardiology, Saiseikai Noe Hospital, Osaka)
Chairperson : Hitoshi Uchida (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)

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Fumi Oike (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)

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Tatsuya Tabata (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

OE2-5  Impact of Wave Reflection: Right Ventricular-Arterial Coupling ................................................................. 3039
Hiromassa Hayama (Department of Cardiology, National Center for Global Health and Medicine, Tokyo)

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Yasuyuki Chiba (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)

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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 : Chiemak Sakai (Department of Cardiovascular Physiology and Medicine, Hiroshima University, Hiroshima)

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Manabu Nagao (Division of Evidence-based Laboratory Medicine, Kobe University Graduate School of Medicine, Kobe)

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Tomiharu Niida (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo/Department of Cardiovascular Medicine, Kashiwa-kouei General Hospital, Kashiwa)

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Yoshiihiro Uchikado (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)

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Kumiko Sato (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 Gyoumeikan Hospital, Osaka)
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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
Masatsune Fujii (Department of Cardiology, Tokyo Medical University, Tokyo)

OE4-3 Withdrawn

OE4-4 Longitudinal Association between Early/Late Systolic Cardiac Load and the Left Ventricular Systolic Dysfunction in Its Early Stage
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
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
Kazuhiro Ueno (Ueno Cardiovascular Medical Clinic, Munakata)

Oral Abstract 5
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OE5-1 Clinical Benefit of Nasal High Flow Oxygenation Therapy for Acute Heart Failure in Adults -For Quicker Regain of ADL-
Yoshiya Yamamoto (Tokai University Hachioji Hospital, Tokyo)

OE5-2 Prognostic Impact of Physical and Social Frailty in Elderly Patients Hospitalized with Heart Failure
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
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
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
Yusuf Azmi (National Cardiovascular Center Harapa 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
Sho Suzuki (Department of Cardiovascular Medicine, Minaminagano Medical Center, Shinonoi General Hospital, Nagano)

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OE6-1 Association of Mineralocorticoid Receptor Antagonist Use and Cardiovascular Events in Patients with Heart Failure with Preserved Ejection Fraction
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  Abdallah Almaghraby (University of Alexandria, Egypt)  3055
OE6-3  Additional Mineralocorticoid-receptor Antagonist Improves Cardiovascular Mortality in Heart Failure Patients with Insufficient Doses of Guideline-recommended Medication: Propensity-score Matching Analysis  Takuro Abe (Department of Cardiology, Tokyo Women’s Medical University, Tokyo)  3055
OE6-4  Beneficial Effect of Exchanging Dipeptidyl Peptidase 4 Inhibitor for Canagliflozin on Heart Failure with Diabetes Mellitus: CHANGE Trial  KyoSuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)  3056
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OE7-1  Clinical Correlates and Prognostic Impact of Elevated Right Atrial Pressure in Patients with Hypertrophic Cardiomyopathy  Yuichi J. Shimada (Columbia University Medical Center, USA)  3058
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OE7-3  Circulating Acetoacetate is Associated with Poor Prognosis in Heart Failure Patients  Tetsuro Yokokawa (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)  3059
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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  Kazuto Hayasaka (Department of Cardiology, National Hospital Organization Disaster Medical Center, Tachikawa)  3062
OE8-2  Time-dependent Enlargement of Left Ventricular Size Predicts Clinical Adverse Events in Patients with Heart Failure with Preserved Ejection Fraction  Shou Ogawa (Department of Cardiology, Sakakibara Heart Institute, Hityu)  3063
OE8-3  Prognostic Value of CHADS2 Score in HFpEF Patients with and without Atrial Fibrillation: Insights from PURSUIT-HFpEF Registry  Masato Kawasaki (Division of Cardiology, Osaka General Medical Center, Osaka)  3064
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OE8-5  **AF Begets Right Sided Cardiac Dysfunction in Heart Failure with Preserved Ejection Fraction Independent of Pulmonary Hypertension**  
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**  
Makoto Takeuchi (Asa City Hospital, Hiroshima)

**Oral Abstract 9**

**Coronary Circulation 1**  
9:00-17:00

Chairperson : Tadashi Murai (Cardiovascular Center, Yokosuka Kyoai Hospital, Yokosuka)
Chairperson : Hiroyuki Hikita (Yokosuka Kyoai 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**  
Masahiro Hada (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)

OE9-2  **Additional Decrease in Fractional Flow Reserve after Isotonic Handgrip Exercise during Pharmacological Coronary Hyperemia**  
Hiroki 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**  
Takayuki Wariasawa (Department of Cardiovascular Medicine, St. Marianna University School of Medicine Yokoama City Seibu Hospital, Yokohama)

OE9-4  **Discordance between Fractional Flow Reserve and Each Non-hyperemic Resting Index in Intermediate Coronary Stenosis**  
Hiroto Tamaru (Department of Cardiology, Higashitakarazuka Satoh Hospital, Takarazuka)

OE9-5  **Quantification of Myocardial Mass Subtended by a Coronary Stenosis Using Intracoronary Physiology**  
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**  
Andrico Tobing (Deli General Hospital, Indonesia)

**Oral Abstract 10**

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Chairperson : Seiichi Hiramori (Kokura Memorial Hospital, Kitakyushu)
Chairperson : Yoshinobu Murasato (Department of Cardiology, National Hospital Organization Kyushu Medical Center, Fukuoka)
Discussant : Shin'ya 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**  
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**  
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**  
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**  
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**  
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
Yohei Sumino (Cardiovascular Division, Tsuichiura Kyodo Hospital, Tsuichiura)

Oral Abstract 11
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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
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
Masayuki Shiiozaki (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?
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
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
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
Kiyoshi Hibi (Division of Cardiology, Yokohama City University Medical Center, Yokohama)

Oral Abstract 12
ACS (Clinical/Pathophysiology) 1
Chairperson: Minoru Yoshiyama (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
Chairperson: Shigetou 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
Hirotaka 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
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
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
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
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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)

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Chairperson : Chihatsu 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)

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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)

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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)

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Chairperson : Kikoya Uno (Heart Rhythm Center, Chiba-Nishi General Hospital, Matsudo)
Discussant : Shiho 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)

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Chairperson : Yasushi Miyasuchi (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)

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Chairperson : Yukiko Shimizu (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)
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Chairperson : Shingo Sasaki (Department of Cardiology, Hiroaki University Graduate School of Medicine, Hiroaki)
Discussant : Akira Shimane (Himeji Cardiovascular Center, Himeji)
Discussant : Takeshi Harita (Department of Cardiology, Tenri Hospital, Tenri)

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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)

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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)

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

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Discussant: Masumi Iwai-Takano (Department of Epidemiology/Division of Cardiovascular Surgery, Fukushima Medical University, Fukushima)

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Discussant: Katsuomi Iwakura (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Matsuyama)

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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)

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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 : Yoshiki Matsuo (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
Discussant : Masatsune Fujii (Department of Cardiology, Tokyo Medical University, Tokyo)

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Chairperson : Noboru Ashida (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
Discussant : Kaoru Tateo (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
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
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
Lisa Takahashi (Department of Cardiology, Tokyo Medical University, Tokyo)

OE28-4 Machine Learning can Predict What Kind of Patients should Receive Intensity LDL Therapy
Takahisa Noto (Department of Cardiology, Imizu Municipal Hospital, Toyama)

OE28-5 Usefulness of the SAGE Score for Assessment of Arterial Stiffness in Japanese Subjects
Hirofumi Tomiyama (Department of Cardiology, Tokyo Medical University, Tokyo)

OE28-6 Withdrawn

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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
Yoichiro Sugizaki (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

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OE29-3 Bariatric Surgery is Associated with Reduced Risk of Hospitalizations for Stable Angina Pectoris in Obese Adults
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Takashi Terauchi (Department of Cardiology, Mito Kyodo Hospital, Mito)

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OE29-6 Usefulness of Non High-density Lipoprotein Cholesterol for Prediction of Major Adverse Cardiovascular Events after Percutaneous Coronary Intervention
Takashi Kitao (Department of Cardiology, Mino City Hospital, Mino)

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Chairperson : Yasshuho Maegima (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)

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Chairperson: Michiro Maruyama (Toyama Prefectural Central Hospital, Toyama)
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Chairperson: Shigeru Toyoda (Dokkyo Medical University Cardiovascular Medicine, Mibu)
Discussant: Kazuhiro Kobuke (Division of Cardiology, Kindai University Faculty of Medicine, Osaka)
Discussant: Tetsuari Onishi (Uimeji Cardiovascular Center, Uimeji)

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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)

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Chairperson: Yuji Hamazaki (Division of Cardiology, Ootakanomori Hospital, Kashiwa)
Discussant: Yoshihiro Matsuo (Department of Cardiovascular Medicine, Wakayama Medical University, Wakayama)
Discussant: Atsushi Funatsu (Cardiovascular Center, Kyoto Katsura Hospital, Kyoto)

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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)

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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 (Kure City Hospital, Kurobe)
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Discussant: Masashi Kato (Mitsubishi Kyoto Hospital, Kyoto)

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Discussant : Hisayo Yasuda (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medicine, Kagoshima University, Kagoshima)

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Discussant : Mariko Yano (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
Discussant : Toshiaki Toyota (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)

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Discussant: Naritatsu Saito (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

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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)

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Hidehito Hiran (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)

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Reina Ozaki (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

OE46-3 The Association between Calcium Score and All-case Death in Patients Receiving a Screening for Ischemic Heart Disease
Hiroko Oshio (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

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Kyoei Usami (Tsukuba University Hospital, Tsukuba)

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

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Shinya Takahashi (Department of Cardiology, Takasaki General Medical Center, Takasaki)

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Discussant: Kotaro Kanno (Cardiovascular Medicine, Osaka University Graduate School of Medicine, Lipid and Atherosclerosis Research Group, Suita)
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Discussant: Yoshio Tahara (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

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Takeru Nabeta (Department of Cardiology, Kitasato University School of Medicine, Sagamihara)  

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Norifumi Kawakita (Department of Cardiology, Japanese Red Cross Okayama Hospital, Okayama)  

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OE63-2 Long-Term Ablation Outcomes in Patients with Non-Pulmonary Vein Trigger of Atrial Fibrillation -Differences between the Left and Right Atria
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
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OE64-6 Relationship between Spatiotemporal Electrogram Dispersion and Complex Fractionated Atrial Electrogram in Patients with Non-Paroxysmal Atrial Fibrillation
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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)

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Chairperson : Norishige Morita (Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo)

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OE67-3 Possible Mechanism of Atrioventricular Nodal Reentrant Tachycardia (Important Role of Pyramidal Space as an Anatomical Obstacle)
Osamu Igawa (Department of Cardiology, Nippon Medical School, Tokyo)

OE67-4 Withdrawn

OE67-5 Withdrawn

OE67-6 Electrophysiological Characteristics and Ablation Outcome Specific of Length of Superior Slow Pathway
Shuntaro Tamura (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)

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Chairperson : Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
Discussant : 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
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~
Osamu Igawa (Department of Cardiology, Nippon Medical School, Tokyo)

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Yuji Wakamatsu (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)

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Shinichi Tachibana (Yokohama City Minato Red Cross Hospital, Yokohama)

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Masahiro Nakano (Department of Advanced Cardiorhythm Therapeutics, Chiba University Graduate School of Medicine, Chiba)

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Jakub Holda (Jagiellonian University Medical College, Poland)

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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 Prefecture 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
Masahiro Esato (Department of Arrhythmia, Iijinkai Takeda General Hospital, Kyoto)

OE69-2 Impact of History of Myocardial Infarction in Atrial Fibrillation Patients with Coronary Artery Disease: The Fushimi AF Registry
Nobutoyo Masunaga (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
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Chairperson: Mahito Noro (Toho University Sakura Medical Center, Sakurak)
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
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Discussant: Motoaki Hirazawa (Hirazawa Heart Clinic, Fuku)

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 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 : Kozi Hotta (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)  

 OE72-1  Point M Regulates Tidal Volume and Respiratory Rate during Exercise  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  Ken Harada (Department of Cardiology, Chubu Rosai Hospital, Nagoya)  

 OE72-3  Prognostic Value of Cardiopulmonary Testing in Patients with Heart Failure  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  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  Nana Endo (Department of Cardiology, Tokyo Women’s Medical University, Tokyo)  

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 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  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  Susumu Fujino (Department of Cardiology, Fukui Prefectural Hospital, Fukui)  

 OE73-3  The Latest Trends of Acute Coronary Syndrome in Kanagawa -From K-ACTIVE-  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  Yuhei Goriki (Miyazaki Medical Association Hospital, Miyazaki)  

 OE73-5  The Effect of Pre-hospital Mobile Cloud ECG Transmission for the Patients with STEMI.  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  Motoko Kametani (Department of Cardiovascular Medicine & Surgery, Saiseikai Kumamoto Hospital, Kumamoto)
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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  
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  
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  
Joh Akama (The Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

OE74-5  Culpit Vessel and Cardiogenic Shock: Impact on Short and Long Term Prognosis in Patients with Acute Myocardial Infarction  
Hana Mizutani (Suzuka Central General Hospital, Suzuka)

OE74-6  Microcalcification in Aspirated Material from the Culpit Coronary Artery in Patients with Acute Coronary Syndrome  
Hiroaki Kawano (Department of Cardiovascular Medicine, Nagasaki University, Nagasaki)

OE75-1  Prediction of Deferred Lesion Failure Following Negative Fractional Flow Reserve in Patients with Stable Coronary Artery Disease  
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)  
Kiyotaka Hao (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

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Akinori Sugano (Department of Cardiology, Tsukuba Medical Center Hospital, Tsukuba)

OE75-5  Detecting Cholesterol Crystals in Acute Coronary Syndrome and Stable Angina  
Sri Komatsu (Cardiovascular Center, Osaka Gyoumeikan Hospital, Osaka)

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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: Son Takenaka (Department of Cardiology, IMS Katsushika Heart Center, Tokyo)

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Chairperson: Ryuji 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)

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Hiroshi Hayashi (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo) 3352

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OE78-5 Withdrawn

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

OE79-1 Genome-wide Association Study for Atrial Fibrillation Identifies 26 Novel Loci and Reveals the Genetic Correlation with Comorbid Disorders
Hiroshi Matsunaga (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo) 3356

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Chairperson: Masaomi Chinushi (School of Health Science, Niigata University of Medicine, Niigata)
Discussant: Tatsuya Usui (Division of Electrophysiology, Nagano Redcross Hospital, Nagano)

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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)

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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
Ken Shimura (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
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
Hiroaki Sunaga (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)

OE82-4 Empagliflozin Improves Cardiac Function through the Increased Production of Acetyl carnitine in a Murine Non-diabetic Heart Failure Model
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
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
Yasheng Remina (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

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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
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
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
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
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
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
Naoki Takahashi (Division of Cardiology, Arrhythmology and Cardiovascular Surgery, Cardiovascular Center, Osaka Red Cross Hospital, Osaka)
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Discussant: Akira Kurata (Ehime University Graduate School of Medicine, Matsuyama)
Discussant: Kazuhiko Kobuke (Division of Cardiology, Kindai University Faculty of Medicine, Osaka)
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Chairperson: Motoo Date (National Hospital Organization Osaka National Hospital, Osaka)
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Chairperson: Atsushi Kawasaki (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  
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  
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  
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  
Shinichiro Takashima (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)  

OE88-5  Activation of Interferon Regulatory Factor-5 in the Development of Autoimmune Myocarditis  
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  
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  
Naohumi 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  
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  
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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  
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  
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  
Shingo Yanagia (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  
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  
Mao Takahashi (Department of Cardiology, Sakura Hospital, Medical Center, Toko University, Sakura)  

OE89-6  The Association between High Blood Pressure and the Development of Other Cardiometabolic Risk Factors in Middle-Aged Workers  
Yusuke Otsuka (Department of Cardiology, Nippon Medical School, Tokyo)
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Chairperson: Mari Nishizaka (Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)  
Chairperson: Yoko Sakamoto (Department of Cardiovascular Surgery/Medicine, Osaka University, Suita)  
Discussant: Toru Dejima (Yokohama Hodagaya Central Hospital, Yokohama)  
Discussant: Yuichi Akasaki (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)

**OE90-1**  
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Nobuyuki Tokumaga (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)  
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Tetsuya Takahashi (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)  
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New Concept of Trigger-Specific Blood Pressure Sensitivity in ICT-based Multisensor ABPM is Associated with Cardiac Function in Heart Failure  
Keisuke Narita (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Shimotsuke)  
3406

**OE90-5**  
Assessment of Cardiovascular Events in Hypertensive Patients at Risk for Heart Failure Using Geriatric Nutritional Risk Index  
Toshikazu Hashizume (Department of Cardiology, Minami-Wakayama Medical Center, Tanabe)  
3406

**OE90-6**  
The Progression of Endothelial Dysfunction Associated with Dyslipidemia in Hypertension: Multicenter Prospective Study FMD-J Study  
Chisa Matsumoto (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)  
3407

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

**OE91-1**  
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Hirokazu Shirahashi (Department of Cardiology, Kyoto Prefectural University of Medicine, Kyoto)  
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Relationship between the Prognostic Value of Peak VO2 and Age  
Yuko Kato (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)  
3409

**OE91-3**  
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Masakazu Saitoh (Department of Rehabilitation, Sakakibara Heart Institute, Tokyo)  
3409

**OE91-4**  
Atrial Fibrillation is Associated with Impaired Exercise Capacity and Adverse Prognosis in Heart Failure Patients with Mid-range Ejection Fraction  
Yu Sato (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)  
3410

**OE91-5**  
Impact of Cardiac Rehabilitation on Reducing Rehospitalization and Subsequent Medical Expenses in Patients with Acute Coronary Syndrome  
Yuya Yokota (Showa University Fujigaoka Rehabilitation Hospital, Division of Cardiology, Yokohama)  
3410

**OE91-6**  
Relationship between Peak O2 Uptake and Tidal Volume and Respiratory Rate (TV-RR) Slope  
Makoto Murata (Gunma Prefectural Cardiovascular Center, Maebashi)  
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Mihoko 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
Annis Rakhmawati (University of Gadjah Mada/Dr. Sardjito Hospital, Indonesia)

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9:00-17:00
Chairperson: Atsunobu Kasai (Department of Cardiology, Japanese Red Cross Ise Hospital, Ise)
Chairperson: Kenji Okubo (Yokosuka Kiyosai 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
Hiroshiige 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
Hiroiyuki Fujii (Department of Cardiology, Kakogawa Central City Hospital, Kakogawa)

OE92-3  Dynamic Changes in Electrocardiogram Parameters after Epicardial Substrate Catheter Ablation of Brugada Syndrome
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
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
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
Nobusada Funabashi (Department of Cardiology, Chiba University Graduate School of Medicine, Chiba)

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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
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
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
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
Hiroaki Ohyu (Cardiovascular Division, Tsuichiura Kyodo Hospital, Tsuichiura)

OE93-5  Ten-Years Experience of Transvenous Lead Removals Using Excimer Laser Sheath
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

Ayako Okada (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)

9:00-17:00

ОРAL Abstract 94

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

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

Hiroylki Hikita (Cardiovascular Center, Yokusuka Kyoai Hospital, Yokusuka)

OE94-3  Comparison between Clopidogrel and Prasugrel Associated with CYP2C19 Genotypes in Patients Undergoing Percutaneous Coronary Intervention

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

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

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

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

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

Mutsua 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

Daisuke Nakamura (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

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Chairperson: Shigeyuki Watanabe (Tsukuba University Hospital Mito Clinical Education and Training Center, Tsukuba)
Chairperson: Hiroshiye 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?

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

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

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)

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Tadashi Takasaki (Cardiovascular Surgery, Osaka Red Cross Hospital, Osaka)

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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: Daishiku 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
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OE96-3 Association between Flow-Mediated Dilatation 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 Luseogliflozin 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)

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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 Izuura (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 Angiopoeitin-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  
Takahiro Yamada (Department of Cardiology, Tokyo Women's Medical University Hospital, Tokyo)  
3437

OE97-4  
Elevated Pericardial Fluid Levels of Natriuretic Peptide and Troponin T Are Involved in Left Ventricular Dysfunction with Ischemic Heart Disease  
Shoichi Miyamoto (Division of Cardiology, Kiyotsu Hospital, Kawanishi)  
3438

OE97-5  
Fibrosis-4 Index Reduction during Admission Predicts Mid-term Outcomes in Patients with Heart Failure  
Daichi Maeda (Department of Cardiology, Osaka Medical College, Takatsuki)  
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OE97-6  
Prognostic Value of Bioelectrical Impedance Analysis and Natriuretic Peptide in Heart Failure with Preserved versus Reduced Left Ventricular Ejection Fraction  
Yoshiyuki Yazaki (Division of Cardiovascular Medicine, Toho University Medical Center Ohashi Hospital, Tokyo)  
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Oral Abstract 98
Diabetes 1  
9:00-17:00

OE98-1  
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Hiromichi Wada (Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto)  
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OE98-2  
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3441

OE98-3  
Postprandial Blood Glucose and Triglyceride Level Regulates HSC Transcription, Premature Aging and Rejuvenation  
Masayoshi Iwasaki (Department of Medicine II, Kansai Medical University, Higashiyamato)  
3442

OE98-4  
Predictors for Silent Myocardial Ischemia and Prognostic Impact in Asymptomatic Patients with Diabetes Mellitus  
Toshiaki Suzuki (Showa University Koto-Tosu Hospital, Tosu)  
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OE98-5  
Novel Direct Effects of Canagliflozin on Myocardial Redox State in Humans; Potential Role of SGLT1 Inhibition  
Hidekazu Kondo (Department of Cardiology and Clinical Examination, Oita University, Yufu)  
3443

OE98-6  
HGI in Relationship to the Risk of Cardiovascular Complication in Patients with Type 2 Diabetes: A Systematic Review and Meta-analysis  
Liuxin Zhang (Nanjing Medical University, China)  
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Oral Abstract 99
Diabetes 2  
9:00-17:00

OE99-1  
Impact of HFpEF and HFrEF in Patients with or without Diabetes after Coronary Revascularization; Analysis from the CREDO-Kyoto Registry Cohort-2  
Eri Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)  
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Takanori Yasu (Departments of Cardiovascular Medicine and Nephrology, Dokkyo Medical University Nikko Medical Center, Nikko)  
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Yuichi Chikata (Department of Cardiovascular Medicine, Juntendo University, Graduate School of Medicine, Tokyo)  
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Hioki 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

Daishi Kitano (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo)

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

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Chairperson: Hirosi 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

Toshifumi Takamatsu (Department of Cardiology, Shinshu University, Matsumoto)

OE100-2 Incidence, Predictors, and Prognostic Implications of Hospitalization for Late Bleeding after Endovascular Therapy

Keiichi Hishikari (Cardiovascular Center, Yokosuka Kyoasai Hospital, Yokosuka)

OE100-3 Prognostic Significance of D-dimer in Patients with Peripheral Arterial Disease after Endovascular Treatment in I-PAD 3-year Registry

Yusuke Kanzaki (Department of Cardiology, Minami Nagano Medical Center Shimonoi General Hospital, Nagano)

OE100-4 Impact of Hyperuricemia on Patients with Diabetes Mellitus Who Underwent Endovascular Therapy: From I-PAD 3-year Registry

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

Shogo Ide (Department of Cardiology, Shinshu University School of Medicine, Matsumoto)

OE100-6 Withdrawn

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Venous Thromboembolism

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 Kurashki-Mabi District

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)

Ako Ohsawa (Pfizer Japan Inc., Tokyo)

OE101-3 Efficacy of Direct Oral Anticoagulants in Patients with Cancer-associated Venous Thromboembolism

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

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

Hiroyuki Naito (Department of Clinical Laboratory, Tsukuba University Hospital, Tsukuba)
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Takuya Nagata (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kyushu University, Fukuoka)

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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)

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Takahiro Okano (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)

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Yukari Okuma (Department of Cardiology, Nagano Red Cross Hospital, Nagano)

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Hidetaka Itoh (The Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)

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Norikazu Yamada (Department of Cardiology, Kuwana City Medical Center, Mie)
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Chairperson：Yumie Matsu (Department of Cardiology, Osaka Saiseikai Juu Hospital, Osaka)
Chairperson：Satoshi Higa (Division of Cardiovascular Medicine, Cardiac Electrophysiology and Pacing Laboratory, Makinomoto 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
Toshiohiro 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
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
Kana Nakashima

OE104-4 Comparison of the Visualized Fibrillatory Activity Analyzed by the ExTRa Mapping System between Paroxysmal and Non-paroxysmal Atrial Fibrillation Patients
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
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
Asuka Nishimura (Department of Cardiology, Fujita Health University, Toyoake)

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Chairperson：Yasuya Inden (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
Chairperson：Masatoshi Fukushima (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
Discussant：Masatoshi Fukushima (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
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
Hisanshi Kanaawa (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
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
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
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
Kana Nakashima (Department of Cardiovascular Medicine, Saga University, Saga)
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Arrhythmia

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)

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Takahiko Kinjo (Advance Emergency and Critical Care Center, Hiroaki University Hospital, Hiroaki)

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Shunsuke Miyachi (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)

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Tomoyuki Shiozawa (Department of Cardiology, Juntendo University Shizuoka Hospital, Izumokuni-shi)

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Hiroki Furusho (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)

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Chairperson : Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)

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Hisashi Ogawa (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)

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Takuto Arita (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

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Chairperson: Eitaro Koohani (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

OE108-2 Morphology of Left Atrial Appendage and Risk for Thrombus Formation

OE108-3 The Prevalence and Clinical Significance of Subclinical Atrial Fibrillation Detected by Cardiac Implantable Electronic Devices

OE108-4 Predictor of Silent Cerebral Infarctions Associated with Catheter Ablation for Atrial Fibrillation

OE108-5 The Low Left Atrial Appendage Flow Velocity as a Risk of Thromboembolic Events after Catheter Ablation for Atrial Fibrillation

OE108-6 Outcome of Patients with Left Atrial Appendage Thrombus Just before Atrial Fibrillation Ablation

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Immune System/Myocarditis

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

OE109-2 Association between Peri-Coronary Adipose Tissue Inflammation and Physiological Stenosis Severity Evaluated by Fractional Flow Reserve

OE109-3 Clinical Significance of the Controlling Nutritional Status (CONUT) Score in Patients with Infective Endocarditis

OE109-4 Residual Inflammation Indicated by High-sensitive C-reactive Protein Predict Worse Long-term Clinical Outcomes in Patients Undergoing Percutaneous Coronary Interventions

OE109-5 Risk Factors of Cardiac Implantable Electronic Device Infection in Current Clinical Settings: A 10-Year Single-Center Observational Study

OE109-6 Identification of Predictors of Cardiovascular Events in Japanese Patients with Systemic Lupus Erythematosus from the LUNA Registry

OE109-7 Clinical Characteristics and Outcomes among Patients Hospitalized with Infective Endocarditis at a Major Tertiary Referral Center

Yoshinobu Suwa (Division of Cardiology, Department of Medicine II, Kansai Medical University, Osaka)
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Kei Nakamoto (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

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Chairperson: Taku Iwami (Kyoto University Health Services, Kyoto)
Chairperson: Eduardo Bianco (Framework Convention Alliance (FCA), Uruguay)

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Hsin-Yin Hsu (Department of Family Medicine, MacKay Memorial Hospital, Taiwan)

Akihiro Endo (Division of Cardiology, Shimane University Faculty of Medicine, Izumo)

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Shigeto Tsukamoto (Tokyo CCU Network Scientific Committee, Tokyo)

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Atsushi Kobayashi (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

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

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Yosuke Nishihata (Department of Cardiovascular Medicine, St. Luke’s International Hospital, Tokyo)

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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)

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Kenichirou Yasuda (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)

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Tetsuo Yamaguchi (Department of Cardiovascular Center, Toranomon Hospital, Tokyo)

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Tagayasu Anzai (School of Public Health, University of Hawaii, USA)

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Kenji Kawauchi (Department of Cardiology, Nihon University Hospital, Tokyo)

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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)
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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)

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Takahiro Sakai (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)

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

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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: Mashide Kawatani (Department of Cardiovascular Surgery, Kyoto University Graduate School of Medicine, Kyoto)
Discussant: Kei Sato (Mie University Hospital, Department of Cardiology, Tsu)

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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)

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Tomohiro Kawaguchi (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

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Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)

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Akihiro Tobe (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

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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
Yataka 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
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
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
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
Kenichiro Otsuka (Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, USA)

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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
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
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
Kota Murai (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Saitama)

OE115-4 Impact of In-stent Neatherosclerosis Assessed by Optical Coherence Tomography on Cardiac Troponin Elevation after Percutaneous Coronary Intervention
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
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
Tetsumin Lee (Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo)

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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

OE116-2 Lesion Progression in Cardiac Transplant Recipients: Serial Optical Coherence Tomography and Intravascular Ultrasound Findings at 8-week and 12-month after Transplantation
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
Takero Matsura (Division of Cardiology, Faculty of Medicine, Kindai University, Osaka)

OE116-4 Angioscopic Findings One Year after Percutaneous Coronary Intervention for Chronic Total Occlusion
Isamu Fukuzumi (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
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
Keiko Tsuji (Iwate Medical University, Yahaba)

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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
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
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
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
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
Tenjin Nishikura (Cardiology, Cardiovascular Disease Center, Showa University Koto Toyo Hospital, Tokyo)

OE117-6 Discordance between Fractional Flow Reserve and Instantaneous Wave-free Ratio Evaluated by Frame-count Coronary Flow Reserve
Yoshinori Kanno (Department of Cardiology, Yokosuka Kyosai Hospital, Yokosuka)

OE117-7 Pressure-bounded Coronary Flow Reserve in Hemodialysis Patients with Intermediate Stenosis
Yoshinori Kanno (Department of Cardiology, Yokosuka Kyosai Hospital, Yokosuka)

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OE117-9 Incremental Diagnostic Advantage of iFR beyond FFR to Define Flow-limiting Epicardial Stenoses in Left Anterior Descending Artery
Yuetsu Kikuta (Department of Cardiology, Fukuyama Cardiovascular Hospital, Fukuyama)

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Chairperson: Nobutoyo Masunaga (Kyoto Medical Center, Kyoto)
Chairperson: Hirofumi Tomita (Department of Cardiology, Hiroshima University Graduate School of Medicine, Hiroshima)
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
Tetsuya Kanno (Department of Cardiovascular Medicine, Okayama University, Okayama)
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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

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

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

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

Yuya Ide (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

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Genya Sunagawa (Department of Cardiology, Saiseikai Fukuoka General Hospital, Fukuoka)

OE120-1 Sex Differences in Coronary Microvascular Dysfunction in Patients with Vasospastic Angina -Involvement of Rho-kinase Activation-

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

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

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Chairperson: Chika Takagi (Department of Cardiology, Otaru Kyokai Hospital, Otaru)
Chairperson: Yuko Onishi (Hiratsuka Koyal General Hospital, Hiratsuka)
Discussant: Takahide Kodama (Department of Cardiology, Toranomon Hospital, Tokyo)
Discussant: Masayasu Izuara (Kishiwada City Hospital, Kishiwada)

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Yukiko Mizutani (Cardiology, Dokkyo Saitama Medical Center, Saitama)

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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)

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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)

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Chairperson : Kazunori Shimada (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)
Discussant : Tomotaka Dohi (Juntendo University, Graduate School of Medicine, Tokyo)

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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)

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Kazuo Osawa (Department of Cardiovascular Medicine, Okayama Red Cross General Hospital, Okayama)

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Chairperson: Kazuhiro Satomi (Department of Cardiology, Tokyo Medical University, Tokyo)
Discussant: Hiroshi Furusyo (Department of Cardiovascular Medicine, Kanazawa University Hospital, Kanazawa)
Discussant: Michio Nagashima (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

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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)

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Chairperson: Tetsuma Kawaji (Department of Cardiology, Mitsubishi Kyoto Hospital, Kyoto)
OE129-1 Impact of Early Worsening Renal Function on Long-term Cardiovascular Outcomes in Patients with Acute Myocardial Infarction

Ryota Kosaki (Department of Cardiology, Showa University School of Medicine, Tokyo)

OE129-2 Urine Neutrophil Gelatinase-associated Lipocalin is an Early Sensitive Marker for LV Dysfunction after a STEMI Who Underwent Reperfusion

Mutsuo Horii (Department of Cardiology, Yokohama City University Medical Center, Yokohama)

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Toshiro Kimura (Department of Cardiovascular Medicine, Hyogo College of Medicine, Nishinomiya)
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ACS (Clinical/Treatment) 5

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 (Suitsa Tokushukai Hospital, Suitsa)

OE131-1 Prognostic Usefulness of Residual SYNTAX Score 2 for Patients with Acute Coronary Syndrome Who Underwent Percutaneous Coronary Intervention
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-
Ryota Maeno (Shin-yurigaoka General Hospital, Kawasaki City)

OE131-3 Prognosis of Recurrent Myocardial Infarction in Current Primary Percutaneous Coronary Intervention Era
Chihiro 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
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
F. Aaysha Cader (Ibrahim Cardiac Hospital & Research Institute, Bangladesh)

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Chairperson : Hikaru Tsuruta (Keio University, Department of Cardiology, Tokyo)
Chairperson : Aiko Kumagai (Iwate Medical University, Division of Cardiology, Department of Internal Medicine, Morioka)
Discussant : Yoshiaki 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
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
Masahiro 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
Hitomi Horinouchi (Department of Cardiovascular Medicine, Isegami General Hospital, Tokyo)

OE132-4 Long-term (≥6-year) Clinical Outcome and Valve Function after Transcatheter Aortic Valve Replacement
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?
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
Yasuhiro Uchida (Department of Cardiology, Yokkaichi Municipal Hospital, Yokkaichi)

OE132-7 Prognostic Impact of Arterial Stiffness on Transfemoral Transcatheter Aortic Valve Implantation
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
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
Hiroyluki Kawamori (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

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9:00-17:00

Chairperson: Naka Sakamoto (Department of Cardiology, Asahikawa Medical University, Asahikawa)
Chairperson: Yoshiki Matsumura (Osaka City General Hospital, Department of Cardiology, Osaka)
Discussant: Akio Nomura (Department of Cardiology, Nara Medical University, Kashihara)
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
Masato Shimizu (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)

OE133-2 The Clinical Characteristics of Severe Takotsubo Cardiomyopathy –From JROAD-DPC Registry–
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
Masaki Wakita (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

OE133-4 Genetic Backgrounds of Arrhythmia Induced Cardiomyopathy
Hiroshi Miyawaki (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

OE133-5 Genetic Medicine of Cardiomyopathy in Shinshu University Hospital
Kazuhiro Kimura (Department of Cardiovascular Medicine, Shinshu University, Matsumoto)

OE133-6 Impact of Anti-Centromere Antibody on Cardiomyopathy in Patients with Systemic Sclerosis
Toru Dejima (Department of Cardiology, Yokohama Hodogaya Central Hospital, Yokohama)

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

OE134-1 Overexpression of Myocardial Fibrosis Related Genes in HER-2 Positive Breast Cancer Patients with Trastuzumab Cardiotoxicity
Minoru Wakasa (Department of Cardiology, Kanazawa Medical University, Uchinada)

OE134-2 Activation of Invariant Natural Killer T Cells Ameliorates Doxorubicin-induced Cardiotoxicity
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
Tonomori 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
Masayoshi Oikawa (Department of Cardiovascular Medicine, Fukuoka Medical University, Fukuoka)

OE134-5 Assessment of Dynamic Effects of Cisplatin-based Cancer Chemotherapy on Platelet-Coagulation and Fibrinolytic System
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 (CAV/TE)
Yusuke Nakagawa (Department of Cardiovascular Medicine, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto)
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Heart Transplantation/LVAD

9:00-17:00

Chairperson: Tomohito Ohtani (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
Chairperson: Shinichi Numoda (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)

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Yasuke Mismi (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)

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Michiru Nomoto (Department of Cardiology, Tokyo Women’s Medical University, Tokyo)

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Tori Kondo (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

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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)

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Hidekazu Ishida (Department of Pediatrics, Osaka University Graduate School of Medicine, Suita)

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Noriko Kikuchi (Department of Cardiology, Tokyo Women’s Medical University, Tokyo)

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9:00-17:00

Chairperson: Tomoko Kobayashi (Kyoto Katsura Hospital, Cardiovascular Center, Kyoto)
Chairperson: Satoshi Tamamoto (Department of Cardiology, Hosogi Heart Center, Hosogi Hospital, Kochi)
Discussant: Hiroaki Matsuda (Nagoya Heart Center, Nagoya)
Discussant: Wataru Nagamatsu (Hokketsu General Hospital, Department of Cardiology, Takatsuki)

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Hiroki Watanabe (Department of Cardiology, Japanese Red Cross Wakayama Medical Center, Wakayama)

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Kenji Ogata (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)

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Toru Morofuji (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

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Hiromasa Katoh (Department of Cardiology, Cardiovascular Center, Fukuoka Prefectural Hospital, Fukuoka)

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Taku Toyoshima (Osaka Rosai Hospital, Division of Cardiology, Sakai)
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Chairperson : Kengo Tanabe (Mitsui Memorial Hospital, Tokyo)
Discussant : Nobutoyo Masunaga (Kyoto Medical Center, Kyoto)

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Seigo Iwane (Department of Cardiology, Himeji Cardiovascular Center, Himeji)

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Kazuya Nagao (Cardiovascular Center, Osaka Red Cross Hospital, Osaka)

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Chairperson : Shinya Okazaki (Department of Cardiovascular Medicine, Juntendo University, Tokyo)
Discussant : Katsuyuki Hasegawa (Higashi Takarazuka Satoh Hospital, Takarazuka)

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

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Akiko Masumoto (Department of Cardiology, Kurashiki Central Hospital, Kurashiki)

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Shoichi Kuramitsu (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)

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OE143-2 Silent Ischemic Brain Lesion Predicts Paroxysmal Atrial Fibrillation in Patients with Insertable Cardiac Monitoring Implantation
Rin Hoshiba (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
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
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
Yuta Kemi (Ueno-mura Remote Clinic, Ueno)

OE143-6 Perioperative Management of Direct Oral Anticoagulants in Patients with Nonvalvular Atrial Fibrillation
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
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
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
Maki Oi (Department of Cardiology, Otsu Red Cross Hospital, Shiga)

OE143-8442

OE144-1 Determinants of Quality of Life among Adult Patients with Fontan Circulation
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
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
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
Patrice Bouvagnet (Hopital Femme Mere Enfant, CPDPN, France)

Chairperson: Takemori Okada (Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital, Hiroshima)
Chairperson: Kyoei Yamaji (Division of Cardiology, Kokura Memorial Hospital, Kitakyushu)
Discussant: Tetsuya Watanabe (Osaka General Medical Center, Osaka)
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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
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

OJ1-1  The Associations between Plasma Talin-1 Levels and the Presence and Severity of Coronary Artery Disease (CAD)
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
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
佐藤 聡雄（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
木村 茂樹（横浜南共済病院 循環器内科）

OJ1-5  Prognostic Value of Left Ventricular Mechanical Dysynchrony in Patients Who Had Normal Single Photon Emission Computed Tomographic Myocardial Perfusion Imaging
八田 祐司（日本大学循環器内科）

OJ1-6  Characteristic of Dynamic 99mTc SPECT Parameter and CFR in VSA Patients
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

OJ2-1  Measurement of Score for Identifying Diastolic Dysfunction in 2016 ASE/EACVI Guidelines and Prognostic Relevance in Patients with Hypertrophic Cardiomyopathy
遠藤 千夛（東京女子医科大学 循環器内科）

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
酒田 希音（上毛中央病院 循環器内科）

OJ2-4  Impact of Apical Hypertrophic Cardiomyopathy on Clinical Outcomes: Insights from Cardiac Magnetic Resonance Imaging
中村 貴（近畿大学 循環器内科）

OJ2-5  B-type Natriuretic Peptide and Outcome in Patients with Obstructive and Non-obstructive Hypertrophic Cardiomyopathy
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
柴哲浩（徳島記念病院 循環器内科）
**Atherosclerosis (Clinical/Treatment) 2**

**OJ3-1**  
**Clinical Outcomes after Implantation of Epic Self-expanding Nitinol Stents for Aortoiliac Occlusive Disease in Patients with Peripheral Arterial Disease**  
海老原 卓 (東京女子医科大学 循環器内科)  

**OJ3-2**  
**Intensive Lipid Lowering Therapy with PCSK9 Inhibitor for Myocardial Ischemia**  
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**  
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**  
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**  
板垣 猛 (伊勢中央病院 循環器内科)  

**OJ3-6**  
**The Clinical Outcomes of Drug-Coated Balloon for De-Novo Various Coronary Artery Disease**  
遠井 啓 (東邦大学医療センター 大橋病院 循環器内科)
Interlink between Heart Failure and Other Organs

座長：藤田 亮子（枚方紀州病院）
座長：渡邊 博之（東京大学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 喜文（京都大学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）

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比企 優（順天堂大学医学部医学科循環器内科学）

OJ6-2 Clinical Implications of Intrarenal Hemodynamic Evaluation by Ultrasonography in Patients with Heart Failure 3665
渡邉 孝一郎（福島県立医科大学循環器内科学講座）

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齋藤 優（福島県立医科大学循環器内科学講座）

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平島 安希博（国立長寿医療研究センター循環器内科）

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斎藤 千鶴（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

座長：増子 森明（北野病院心臓センター循環器内科）
座長：佐藤 厚彦（名古屋総合病院循環器内科）
ディスカッサント：星名 克雄（北野病院）
ディスカッサント：廣谷 信一（河内総合病院）

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谷口 直樹（関西医科大学循環器内科，内科学第二講座）

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OJ7-5 Clinical Impact of Early Phase Worsening Renal Function between Younger and Elder Patients with Acute Decompensated Heart Failure

OJ7-6 Controlling Nutritional Status Score Predicts Outcomes of Cardiovascular Event in Patients with Heart Failure with Preserved Ejection Fraction

一般演題口述 8
Heart Failure (Biomarker)

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西本 裕（兵庫県立尼崎総合医療センター 循環器内科）
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OJ12-3 暫定取り下げ
OJ12-4 The Prospective Single-center Analysis of a Screening System for Cardiovascular Disorders Associated with Immune Checkpoint Inhibitors Administrations
古川 明日香（関西医科大学医学部循環器内科）
OJ12-5 Impact of Ventricular Fibrillation with QT Prolongation on Medical Castration in Patients with Prostate Cancer
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
藤原 淳子（東北大学病院 臨床薬効果・生理検査部門）

一般演題口述13
AF Ablation Method/Others 2

一般演題口述14
AF Ablation Method/Postoperative AT
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Mitrail Isthmus Ablation in Patients with Atrial Fibrillation

Incidence and Clinical Significance of Inducible Perimital Atrial Tachycardia in Patients with Atrial Fibrillation

The Impact of Hyperuricemia on Clinical Outcome after Catheter Ablation for Atrial Fibrillation

B-Type Natriuretic Peptide Predicts Stroke Events after Catheter Ablation of Atrial Fibrillation: Insights from AF Frontier Ablation Registry

The Relation among Left Atrial D-dimer and Peripheral CRP Levels, and Left Ventricular Function in Patients with Atrial Fibrillation

Toll-like Receptor 4 Upregulation on Circulating CD14++CD16+ monocytes Correlates with the Low-voltage Zones in Patients with Atrial Fibrillation

The Impact of Hyperuricemia on Clinical Outcome after Catheter Ablation for Atrial Fibrillation

Three-generation Cryoballoon is More Suitable to Right Inferior Pulmonary Veins with a Short-trunk

Heart Rate Elevation at 1 Month after Cryoablation can Predict Better Clinical Outcome for Paroxysmal Atrial Fibrillation

Clinical Investigation of the Recurrent Atrial Tachycardia after the Cryoballoon Ablation on the Left Atrial Posterior Wall

The Elevation of Cryoballoon Catheter Tip Pressure is a Good Predictor of Complete Pulmonary Vein Occlusion

Timing and Frequency of Early Recurrence were Important Factors Related to Late Recurrence after Cryo-Ablation of Atrial Fibrillation

Efficacy of Minimally Invasive Tailor-made Cryoballoon Ablation Strategy with Time to Target Temperature in Patients with Paroxysmal Atrial Fibrillation
一般演題口述 17
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座長：新田 倫一（湘南記念病院循環器内科）
座長：臼田 和生（富山県立中央病院循環器内科）
ディスカッサント：伴場 主一（心臓病センター湘南記念病院循環器内科）

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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：岡崎 由佳（大崎病院東京ハートセンター）
ディスカッサント：潮田 悟彦（社会福祉法人仁生寺江戸川病院循環器内科）
ディスカッサント：永野 大敬（京都赤十字病院循環器内科）

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Clinical Outcome after Treatment of in Stent Restenosis and De Novo Lesions Using Drug Coated Balloons

Network Registry

Hyperglycemia and In-Hospital Prognosis in Patients with Acute Pulmonary Embolism: Results of the Tokyo CCU Network Database

The Fibrosis-4 Index in Connective Tissue Disease is Associated with Pulmonary Hypertension

Disease-specific Patterns of Pulmonary Wave Reflection in Pulmonary Hypertension after Pulmonary Endarterectomy

COMMAND VTE Registry

The Long-term Clinical Outcomes of Symptomatic Outpatients of Unprovoked Pulmonary Embolism: From the CCU Network Database

The Assessment of Lung Function and Residual Hypoxemia after Balloon Pulmonary Angioplasty for Patients with Chronic Thromboembolic Hypertension

The Long-term Clinical Outcomes of Symptomatic Outpatients of Unprovoked Pulmonary Embolism: From the COMMAND VTE Registry

Effects of Additional Balloon Pulmonary Angioplasty in CTEPH Patients with Residual Pulmonary Hypertension after Pulmonary Endarterectomy

Disease-specific Patterns of Pulmonary Wave Reflection in Pulmonary Hypertension

The Fibrosis-4 Index in Connective Tissue Disease is Associated with Pulmonary Hypertension

Hyperglycemia and In-Hospital Prognosis in Patients with Acute Pulmonary Embolism: Results of the Tokyo CCU Network Registry

Clinical Outcome after Treatment of in Stent Restenosis and De Novo Lesions Using Drug Coated Balloons
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Heart Failure (Pharmacotherapy) 2
9:00-17:00

OJ24-1 Predictive Value of Low Lymphocyte Concentration and Effectiveness of Statin in Aged Patients with Chronic Heart Failure Complicated Lymphocytopenia
松村 慶太郎 (香川大学病院 循環器内科)

OJ24-2 Impact of β-blocker on Long-term Outcomes in Congestive Heart Failure Patients with Chronic Obstructive Pulmonary Disease -ASIAN HF Registry-
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)
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
渡辺 素良 (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
松村 慶太郎 (香川大学病院 循環器内科)

OJ24-6 Donepezil Markedly Attenuates the Progression of Cardiac/Renal Remodeling in Rats with Renal Artery Stenosis-Induced Hypertension
李 梅花 (国立循環器病研究センター 循環器動態制御部)

OJ24-7 Prediction of Heart Failure Readmission by Combinatorial Cardiac and Non-Cardiac Factors in Patients with Acute Heart Failure
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
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
池原 典之 (名古屋市立西部病院 循環器内科)
OJ25-4  グループス差異からの有効性の影響 予備血液圧増加に将来の肥満中年の関連
川添 晋（鹿児島大学医学部循環器内科）

OJ25-5  LOX-1リガンドを含むアポAIが冠状動脈腫化を伴う中年の男性の関連
平田 あや（慶應義塾大学分子医学部循環器内科）

OJ25-6  予防栄養摂取と将来のメタボリックシンドロームの関連
柳田 修（鹿児島大学医学部循環器内科）

OJ25-7  心臓血管疾患の性差
中嶋 博幸（長野県立総合病院循環器内科）

OJ25-8  予防的血管マッサージと予防の関連
水口 幸生（さくら台病院心臓血管内科）

OJ25-9  冠状動脈疾患の臨床的必要性
窪舘 執郎（鹿児島大学医学部循環器内科）

一般演題口述 26
Heart Failure (Prognosis) 2
9:00-17:00

一般演題口述 27
Atherosclerosis (Clinical/Pathophysiology) 2
9:00-17:00
一般演題口述 28
ACS (Clinical/Treatment) 3
座長：柳本 雄平（広島大学医学部循環器内科）
座長：若林 聖子（北里大学医学部循環器内科）
ディスカッショントル：古村 慎志（岡村記念病院）
ディスカッショントル：長田 喜介（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
李 哲民（東京医科歯科大学循環器内科）

OJ28-2 Comparison of Risk Factors for In-hospital Mortality in Diabetic and Non-diabetic Patients with Acute Myocardial Infarction
肥田 篤啓（岩手医科大学医学部循環器内科）

OJ28-3 演題取り下げ

OJ28-4 Impact of Complete Percutaneous Coronary Revascularization on Long-term Outcomes in ACS Patients with Multivessel Coronary Artery Disease
安田 健太郎（順天堂大学医学部附属循環器内科）

OJ28-5 演題取り下げ

OJ28-6 Comparison of Restenosis and Prognosis of Bioderagdable-Polymer DES and Durable-Polymer DES in Patients with Acute Myocardial Infarction
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
座長：水見 勝治（三重医療中央病院循環器内科）
座長：栗原 宣広（久留米大学医学部循環器内科）
ディスカッショントル：清水 雅人（横浜市立病院循環器内科）

OJ29-1 Comparison of Diagnostic Accuracy of 18-fluorodeoxyglucose Positron Emission Tomography and Gallium-67 Scentigraphy in Prosthetic Valve Endocarditis and Intra-cardiac Device Infection
山崎 誠太（大分県医師会病院循環器内科）

OJ29-2 Imaging Modalities in the Diagnosis of Cardiac Sarcoidosis Based on the Updated JCS2015/2016 Guidelines: J-CASP Registry
中崎 慶一（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
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
岸原 優（東京女子医科大学循環器内科）

OJ29-5 演題取り下げ

OJ29-6 Evaluation of Cardiac Sympathetic Nerve Activity and Cardiac Death Events in Heart Failure Patients with Recovered Ejection Fraction
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：安原隆明（関西医科大学日光病院循環器内科）
座長：杉本 武信（鳥取医科大学心臓血管内科学）
ディスカッサント：藤原 剛則（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
中島 美則（関西医科大学心臓血管内科学）

3763

OJ30-2 Relationship between Cardiac Rehabilitation and In-hospital Mortality Due to Acute Myocardial Infarction or Heart Failure Derived from JROAD Database
白石 裕一（京都市立大学循環器内科）

3764

OJ30-3 Weekly Interval Training Time-dependently Attenuates Respiratory Drive during Exercise through Desensitization of the Respiratory Controller
宫本 忠司（大阪産業大学大学院人間環境学研究科 システム生理学）

3764

OJ30-4 Trend in Physical Findings and Nutritional Status from 1979 to 2016 in Japanese Males -The Tanushimaru Study-
吉川 健宏（久留米大学医学部 心臓血管内科）

3765

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
松岡 裕治（石切山病院循環器内科）

3765

OJ30-6 Predictors and Outcomes in Patients without Outpatient Cardiac Rehabilitation Following Acute Myocardial Infarction
角田 史敬（昭和大学医学部 内科学講座 循環器内科部門）

3766

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 奨至（金沢大学医学部医学系総合研究科医学系循環器内科学研究分野）
ディスカッサント：柳井 健太（埼玉医科大学国際医療センター心臓内外科・不要脈科）
ディスカッサント：今村 雄二（東京大学大学院医学研究所循環器内科）

OJ31-1 Trafficking Defect and Depolarizing Shift in Activation of SCN5A W374G Channels as Underlying Biophysical Defects of Brugada Syndrome
中島 忠（群馬大学循環器内科）

3767

OJ31-2 Human Induced Pluripotent Stem Cell Model of CACNA1C-E1115K which Impairs Ion Selectivity of the Cardiac L-type Calcium Channel
柏 勉美（京都大学大学院医学研究所循環器内科）

3768

OJ31-3 Usefulness of Combination of Mathematical Modeling and Cell Engineering Using Induced Pluripotent Stem Cells for Revealing Complex Disease Mechanism
斎藤 奈津（京都大学医学部附属病院循環器内科）

3768

OJ31-4 Extracorporeal Heavy-ion Irradiation to Aged-rabbit with Hypercholesterolemia Express Atrial Antiarrhythmic Effects Due to Upregulated Connexin Expression and Suppressed Nerve Sprouting
網野 真理（東京大学循環器内科）

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OJ31-5 Role of Angiopoietin-Like Protein 2 in Atrial Fibrosis Induced by Human Epicardial Adipose Tissue
吉田 晋太朗（大阪大学循環器内科・臨床検査診断学講座）

3770

OJ31-6 Gain-of-function Mutant IKACH Channels as a Pharmacological Target for Bradycardia
山田 慧明（大阪大学循環器内科）

3770

OJ31-7 Therapeutic Effects of Bepridil and Verapamil for Premature Ventricular Complexes Induced during the Enhancement of Cardio-sympathetic Nerve Activity
藤藤 修（新潟大学 保健学科）

3771

OJ31-8 演題取り下げ

3771

OJ31-9 演題取り下げ
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長 教授）
座長：森井 敏（順天堂大学医学部心臓血管外科）
ディスカッショナ: 川松 直人（筑波大学循環器内科）
ディスカッショナ: 石戸 美紀子（東京女子医科大学循環器内科学）

OJ32-1 Efficacy of Contrast Transthoracic Echocardiography on Identification of High-Risk Patent Foramen Ovale

騒野 優（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

岩島 親（中東医療センター 小児循環器科）

OJ32-3 Early Vascular Aging in Adults with Congenital Heart Disease

村上 竜（札幌慶應会病院 胸部外科）

OJ32-4 Activated NF-K B Signaling Both in Cardiomyocytes and Cardiac Fibroblasts Induces Non-compaction Cardiomyopathy

杉岡 鉄子（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

細野 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

仁田 学（横浜市立大学大学院医学研究科 循環器・薬物・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

駒橋 伸組（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

薄原 啓子（東京女子医科大学 循環器小児 成人先天心疾患科）

OJ32-9 Impact of Right Ventricular Dilatation on an Indication for Atrial Septal Defect Closure

中山 理経（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：稲村 正（公益財団法人心臓血管研究所附属病院臨床検査室）
座長：小波 毅子（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 歳以上の高齢者への心臓リハビリテーションの介入がもたらす自宅退院への影響

鈴木 敦子（帯広特区病院 警察医療検査所）

CO1-2 入院高齢心不全患者に対する包括的リハビリテーション介入がもたらす自宅退院への影響

山崎 稔（静岡市立大学医学部 医学部）

CO1-3 当院の心臓リハビリテーション施設患者の運動耐容能を抑うつ・不安との関係における考察

坂本 摂（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

大澤 充晴（佐賀医科大学病院 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

浅沼 亮子（ゆ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～受入れ体制の再構築と心電図伝送システム導入の成果

松野 ひとみ（社会福祉法人 情報財団 民生会病院 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 輝（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

望月 純二（みなみ野循環器病院 放射線科）
CO2-1 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
若林 勝貴（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
中井 康司（名古屋振興会病院 臨床工学部）

CO2-4 クライオパルーンアブレーションを用いた左房後壁の線状狭作成に影響を及ぼすパラメータの検討
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
佐々木 文昭（秋田県立循環器・脳卒中センター 放射線科診療部）

CO2-6 肥大性心筋症患者における新規心房細動発症の予測因子
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

座長：松下 健一（熊本大学病院心血管治療先端医療総合講座）
座長：田山 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
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
田山 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
佐藤 麻美（公益財団法人 心臓血管研究所付属病院）

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
石橋 修（総合病院 上綱協同病院 リハビリテーション部）

CO3-5 経カテーテル大動脈弁置換術患者において CT による大腿筋体積及び CT 値は再入院の独立した予測因子である
作山 眞裕（日本心臓血管研究振興会附属 横浜赤十字病院 リハビリテーション科）

CO3-6 パ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～
吉川 京介（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

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
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
Maya Ishiguro (Department of Cardiology, Sakakibara Heart Institute, Fuchu)

PE1-3 Hypertrophic Cardiomyopathy Clinical Profile: Gender-specific Differences and Association with Polymorphic Variant rs1730843 of the HSPB7 Gene
Anna A. Streletsova (Almazov Federal Medical Research Centre, Russian Federation)

PE1-4 Prognostic Impact of Pulmonary Artery Pulsatility Index (PAPI) in Dilated Cardiomyopathy
Tasuku Kuwajama (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
Yusuke Nishida (Takai Hospital, Department of Cardiovascular Medicine, Tenri)

PE1-6 Hypertrophic Cardiomyopathy with Embolic Stroke: Clinical Characteristics and Implication
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 $^{13}$N-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
Jesús 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)

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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
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
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
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
Shozo Kaneko (Department of Cardiology, Saiseikai Kumamoto Hospital, Kumamoto)

PE4-2 Ganglionated Plexuses Modification by Conventional Pulmonary Vein Isolation in the Medium-term Phase
Daisuke Ishigaki (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)

PE4-3 Withdrawn

PE4-4 Effect of Ablation for Rotor Clustered on Low-Voltage Border Area Overlapped by CFAE on Prevention of Non-Paroxysmal Atrial Fibrillation
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
Takehiko Keida (Department of Cardiology, Edogawa Hospital, Tokyo)

PE4-6 Withdrawn

PE4-7 Long-term Outcomes of Atrial Fibrillation Radiofrequency Catheter Ablation for the Patients with Persistent Left Superior Vena Cava
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
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: Takeshi Adachi (Department of Cardiology, 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
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
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
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
Yuki Irie (National Cerebral and Cardiovascular Center Hospital, Suita)
Posters Session 6
Heart Failure  (Non-pharmacology)

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
- 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
- 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
- Khusriddin 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
- 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
- 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
- Clara Shinta Aruan (Cipto Mangunkusumo National Hospital, Indonesia)

PE6-7 Withdrawn

PE6-8 Long-term Impact of Transient or Persistent Troponin Elevation in Patients without Definite Coronary Artery Disease
- Jongeun Park (Samsung Medical Center, Korea)

Posters Session 7
PCI Others 2

Chairperson: Masahiro Natsuaki (Department of Cardiovascular Medicine, Saga University, Saga)
Chairperson: Junichi Tazaki (Kyoto University Hospital, Kyoto)

PE7-1 Withdrawn

PE7-2 Dual Antithrombotic Therapy Compared to Triple Antithrombotic Therapy in Patients Taking Anticoagulants before and after Percutaneous Coronary Intervention
- 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
- Morihiko Takeoka (Department of Cardiovascular Medicine, International University of Health and Welfare Hospital, Nasu-shiobara)

PE7-4 Small Balloon Technique for Dislodged Stent Retrieval: Distal vs Proximal Capture
- Takayuki Ogawa (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)
Evaluation of the Optimal Lesion Size Index to Prevent Acute Reconnections of Pulmonary Vein Guided Ablation in Patients with Paroxysmal Atrial Fibrillation

The Validity of Ablation Index-guided, High-Power Radiofrequency Ablation Compared with Force Time Integrated-guided Ablation in Patients with Paroxysmal Atrial Fibrillation

Very Early Recurrence is not Associated with the True Recurrence of Atrial Fibrillation after Hotballoon Ablation

Electrophysiological Characteristics of Silent Paroxysmal Atrial Fibrillation: Is It a Target for Catheter Ablation?

Predictors of Structural Left Atrial Remodeling after Multiple Ablation Procedures for Atrial Fibrillation

Usefulness of the V-RESOLVE (Visual Estimation for Risk prEdiction of Side Branch Occlusion in Coronary Bifurcation InterVEntion) Score System

Very Early Recurrence is not Associated with the True Recurrence of Atrial Fibrillation after Hotballoon Ablation

Efficacy of Pre-ablated Direct Current Cardioversion for Persistent Atrial Fibrillation: A Single Center Retrospective Study

The Week for JCS2020
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 Gulimu (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 Sugiuera (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, Hami)

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
Shimnosuke 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)
**Electrocardiogram 1**

**Poster Session 12**

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 Fibrilation .......................................................... 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)

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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
Kojirō 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**

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)

**PE12-9**...
PE13-1 The Amplitude of Negative QRS Deflections in Lead III is a Novel Predictor of Tachyarrhythmias Originating from the Parahisian Region

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

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

Yuki Osaka (Department of Cardiology, Ome Municipal General Hospital, Tokyo)

PE13-4 Brugada-like Electrocardiographic Pattern in Patients with Pectus Excavatum

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

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

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

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

Toru Maruyama (Department of Hematology, Oncology and Cardiovascular Medicine, Kyushu University, Fukuoka)

Posters 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

Manabu Kasamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

PE14-2 Profiling HAND1 and HAND2 Expressions during Cardiogenesis Using hiPSCs

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

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

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

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

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
Takashi 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
Satoshi Shimoo (Department of Cardiology, University of Tsukuba Hospital, Tsukuba)

PE15-4 Withdrawn

PE15-5 Hemispherical Occlusion and Lower Freezing Temperature are Risk Factors of Pulmonary Vein Stenosis after Cryoballoon Ablation
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
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
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
Jan Petru (Na Homolce Hospital, Prague, Czech Republic)

Poster Session 16
AF Balloon Ablation/Cryo 2

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
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
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
Tomomi Ueda (Department of Cardiology, Yokohama Rosai Hospital, Yokohama)

PE16-4 Efficacy of Confirming Dormant Conduction by Adenosine Triphosphate Administration in Insufficient Cryoballoon Application for Atrial Fibrillation
Takashi Nishimoto (Department of Cardiology, Shonan Kamakura General Hospital, Kamakura)

PE16-5 A Comparison of Outcomes with or without Ring Catheter in Cryoballoon Ablation for Paroxysmal Atrial Fibrillation
Takahiro Ohara (Division of Community Medicine, Tohoku Medical and Pharmaceutical University, Sendai)

PE16-6 Influence of Ablation by Cryoballoon on Myocardial Sleeve of SVC and Spatial Relationship of Its Influence
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
Yukii Kawano (Division of Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka)

PE16-8 Time to Isolation (TTI) Predicts Late Pulmonary Vein (PV) Reconnection after Cryoballoon PV Isolation

Poster Session 17
Cardiac Function (Basic/Clinical)

Chairperson: Toshiyuki Noda (Gifu Prefectural General Medical Center, Gifu)
Atherosclerosis (Basic)

Poster Session 19

PE18-1 Withdrawn ......................................................... 3856

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Vikas Kumar (Sam Higginbottom University of Agriculture, Technology & Sciences, Republic of India)

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Can Zheng (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Saita)

PE18-4 Identification of Active Compound from Indonesia Traditional Medicine for Heart Failure Prevention ......................................................... 3858
Nurila Sari (University of Shiznoka, Shiznoka)

PE18-5 The Correlation of Heart Rate Recovery (HHR) with Changes in Blood Lactate Level ......................................................... 3858
Affil Nur Kartikasari (National University Heart Center Singapore, Republic of Singapore)

PE18-6 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)

PE18-7 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 Katsushka Medical Center, Tokyo)

PE18-8 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: Fumiyoji 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
Norihito 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: Kiku 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 Affiliated 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)
Prevalence of Obstructive Coronary Artery Disease in Patients Undergoing Coronary CT -Analysis by Calcium Score and Suita Score- 
Takeyoshi Kameyama (Division of Cardiovascular Medicine, Tohoku Medical and Pharmaceutical University, Sendai) 3876

High-intensity Plaques on Noncontrast T1-weighted Cardiac Magnetic Resonance and Its Association with Computed Tomography Plaque Characteristics 
Moeko Suzuki (Department of Cardiology, Ehime Prefectural Imabari Hospital, Imabari) 3877

Epicardial Adipose Tissue is Associated with Atrial Fibrillation in Patients with High Coronary Artery Calcium Score 
Sayuri Tokioka (Cardiovascular Imaging Clinic Idabashi, Tokyo) 3877

Utility of Detection of Significant Coronary Artery Stenosis Using Combination of New Generation 320 Slices Computed Tomography with Iterative Reconstruction 
Manami Takahashi (Department of Cardiology, Chiba University Hospital, Chiba) 3878

Increased Numbers of Inflamed Coronary Arteries were Associated with Progression of Left Ventricular Mass 
Toru Misawa (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura) 3878

Clinical Impact of Coronary Calcium Score for Predicting Cardiovascular Events in Patients after Percutaneous Coronary Intervention 
Masae Uehara (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo) 3879

Withdrawn 3879

Determinants of Pericoronary Adipose Tissue Attenuation on Computed Tomography Angiography in Coronary Artery Disease 
Tomoyo Sugiyama (Department of Cardiovascular Medicine, Tsuchiura Kyodo General Hospital, Tsuchiura) 3880

Impact of Ostenogenic/Osteoclastgenic Activities on the Aortic Stenosis in Patients with Hip Bone Fracture 
Makoto Furugen (Miyazaki Medical Association Hospital, Miyazaki) 3881

Appetite Predicts Long-term Outcomes in Patients Undergoing Trans-femoral Transcatheter Aortic Valve Implantation 
Yousuke Taniguchi (Division of Cardiovascular Medicine, Saitama Medical Center, Jichi Medical University, Saitama) 3882

The Nutrition Screening and Assessment as Predictor of Prognosis in Patients Undergoing Transcatheter Aortic Valve Implantation 
Shunichio Doi (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Biomedical and Health Sciences, Kawasaki) 3883

Clinical Outcomes of Transcatheter Aortic Valve Implantation with Local Anesthesia and Its Correlation with Patient Activities of Daily Living 
Akihiro Ikuta (Department of Cardiology, Kurashiki Central Hospital, Okayama) 3883

Withdrawn 3884

Sex-related Differences in Cardiac Remodeling in Severe Aortic Stenosis and Reverse Remodeling after TAVI in the Japanese Population 
Ryo Ninomiya (Department of Cardiology, Iwate Medical University Hospital, Yuhaba) 3884

Early Intervention of Transcatheter Aortic Valve Implantation after Heart Failure Improves a Prognosis in Patients with Severe Aortic Valve Stenosis 
Hiroki Tanisawa (Showa University, Japan) 3885

Left Ventricular Hypertrophy as Prognostic Indicator in Patients with Low-gradient Severe Aortic Stenosis with Normal Ejection Fraction 
Yu Kawada (Department of Cardiology, Nagoya City University, Nagoya) 3885
Poster Session 23
ACS (Pathophysiology) 2
9:00-17:00

Chairperson: Hiroshi Tatsui (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 Transeosophageal Echocardiography Study
Masashi Ota (Department of Cardiology, Showa University School of Medicine, Tokyo) 3886

PE23-2 Comparison of Bioprosthesis Valve Expansion between the Inflation Volume after Transcatheter Aortic Valve Implantation (TAVI)
Nobuyuki Takahashi (Department of Cardiology, Himeji Cardiovascular Center, Himeji) 3887

PE23-3 Withdrawn

PE23-4 Preoperative LAVI is a Useful Prognostic Marker in Patients with AS after Undergoing TAVR: A Multi-center Analysis
Takayuki Sugai (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata) 3888

PE23-5 Pulse Wave Assessment of PASESA® Indicate the Change of Severity in Aortic Stenosis before and after Transcatheter Aortic Valve Replacement
Yuichiro Toma (Department of Cardiovascular Medicine, Nephrology, and Neurology, Faculty of Medicine, University of the Ryukyus, Nishihara) 3888

PE23-6 The Aortic Valve Calcification Volume Index (ACV Index) is Novel Finding in Patient with Aortic Valve Stenosis
Kuniomi Oi (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima) 3889

PE23-7 Transcatheter Aortic Valve Implantation in Patients with Amyloidosis
Yuuki Muto (Department of Cardiology, Fukushima Medical University, Fukushima) 3889

PE23-8 The Long-term Prognosis of Patients with Active Cancer Undergoing Transcatheter Aortic Valve Implantation
Yoshimasa Kojima (Department of Cardiology, Sakakibara Heart Institute, Fuchu) 3890

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
Jin Kirigaya (Yokohama City University Medical Center, Yokohama) 3891

PE24-2 Impact of Daytime Onset on Mortality in Acute Myocardial Infarction with Out-of-hospital Cardiac Arrest: A Registry Study from K-ACTIVE
Toshiharu Fujii (Department of Cardiology, Tokai University School of Medicine, Isehara) 3892

PE24-3 Impact of Number of Q-waves as a Predictor of No-reflow after Coronary Angioplasty in Patients with First Acute Myocardial Infarction
Masato Uchida (Department of Cardiovascular Medicine, Nagasaki Harbor Medical Center, Nagasaki) 3892

PE24-4 Gender Difference of Heart Failure Event after Acute Myocardial Infarction
Takeyuki Kubota (Division of Cardiology, The Jikei University Kashiwa Hospital, Kashiwa) 3893

PE24-5 Impact of Arterial Stiffness Assessed by Cardio-ankle Vascular Index on Long-term Outcome in Patients with Acute Coronary Syndrome
Jin Kirigaya (Yokohama City University Medical Center, Yokohama) 3893

PE24-6 Relationship of Cancer and In-hospital Cardiac Death in Patients with Acute Coronary Syndrome Undergoing Primary Percutaneous Coronary Intervention
Tadatomo Fukushima (Department of Cardiovascular Medicine, Nagasaki Harbor Medical Center, Nagasaki) 3894

PE24-7 Comparison of Morphology of Culprit Plaque in Acute Myocardial Infarction Patients between Very Late Stent Thrombosis and De Novo Lesions
Yohei Hyodo (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima) 3894
Poster Session 25
Intravascular Imagings 1

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

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

Masahiro Uehara (Inshikawa 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

Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)

PE25-4 Withdrawn

PE25-5 Greater Coronary Lipid Core Plaque Assessed by Near-Infrared Spectroscopy Intravascular Ultrasound in Patients with Elevated Xanthine Oxidoreductase: A Mechanistic Insight

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

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 Butting Lumen on IVUS in Target Lesions

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

Hiroshi Tashiro (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

Poster Session 26
Prevention 1

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

Angela Koh (National Heart Centre Singapore, Republic of Singapore)

PE26-2 Associations between Daily Alcohol Intake and Three-year Decrease in Glomerular Filtration Rate

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

Kengo Maeda (Kokusai Central Clinic, Nagoya)

PE26-4 Three Percent Weight Gain Increases Cardiovascular Disease Risk Factor Parameters in Young Adults

Hitokoto Ogata (Health Care Department, Hokkaido Ohno Memorial Hospital, Sapporo)

PE26-5 Withdrawn

PE26-6 Different Relationship between Serum Albumin and Coronary Revascularization in Patients with Age under or over 75 Years

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

Kenichiro Sasaki (Division of Cardiovascular Medicine, Department of Internal Medicine, Kurume University School of Medicine, Kurume)
PE27-1 Which Factor Predicts Major Adverse Cardiovascular Events in Health Check-up Participants? .......................... 3906
Hiroynuki Takase (Department of Internal Medicine, Easu 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)

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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)

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
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
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
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
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
Akio Image (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
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
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)
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
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
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
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
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
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
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
Seita Yamasaki (Tenri Hospital, Tenri)

PE30-6 Withdrawn

PE30-7 Doppler Echocardiographic Assessment of Progression of Degenerative Mitral Stenosis
Takashi Hiruma (Department of Cardiology, Sakakibara Heart Institute, Fuchu)

PE30-8 Atrioventricular Block Occurring after Transcatheter Aortic Valve Implantation
Kyonghee 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
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
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
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
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
Yasuhiro Horita (Department of Cardiology, Shizuoka General Hospital, Shizuoka)

PE31-6 Comparison of Echocardiographic Parameters of Degenerative and Rheumatic Mitral Valve Stenosis
Mai Terada (Cardiovascular Medicine, Sakakibara Heart Institute, Tokyo)

PE31-7 The Efficacy of MitraClip Treatment and Preoperative Predictor of Postoperative Hospitalization for Heart Failure
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)

PE32-1 Leadless Pacemaker Implantation for Complete Atrioventricular Block and the Effect of Transcatheter Aortic Valve Replacement
Ryo Tateishi (Yokohama Minami Kyosai Hospital, Yokohama)

PE32-2 Difference of Leadless Pacemaker Parameters between Septal Implantation and Non-Septal Implantation
Hirofumi Arai (Department of Cardiology, Kameda Medical Center, Kamogawa)

PE32-3 Withdrawn

PE32-4 Safety and Feasibility of the Leadless Pacemaker Implantation in Patients with Octogenarian: Comparison to Conventional Trans-venous Single Chamber Pacemaker
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
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, Kinnetsu Chuo Hospital, Kissei)

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, Sagamihara)

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 Ration 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
Takero 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)
**Poster Session 35**

**AF (Others)**  
**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*  
  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*  
  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*  
  Suguru Nishiuchi (Department of Cardiology, Tenri Hospital, Tenri)

- **PE35-4**  
  *Bisoprolol Transdermal Patch Treatment for Patients with Atrial Fibrillation after Noncardiac Surgery*  
  Taku Yasui (Department of Onco-Cardiology, Osaka International Cancer Institute, Osaka)

- **PE35-5**  
  *Characteristics of Patients with Atrial Fibrillation Detected via a Health Screening*  
  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*  
  A.O. Khalikova (Tashkent Medical Academy, Uzbekistan)

- **PE35-7**  
  *Effectiveness of Soluble ST2 Study on the Progression and Therapeutic Effects of Atrial Fibrillation*  
  Hong-Ju Kim (Yeungnam University Medical Center, Korea)

- **PE35-8**  
  *Withdrawn*

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**Poster Session 36**

**Cardiac Arrest/Resuscitation**  
**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*  
  Shunichi Kato (Department of Cardiology, Japanese Redcross Saitama Hospital, Saitama)

- **PE36-2**  
  *Withdrawn*

- **PE36-3**  
  *A Sign of ST-segment Elevation Predicts Type 1 Myocardial Infarction in Patients Resuscitated from Cardiac Arrest*  
  Nozomi Kotoku (Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kawasaki)

- **PE36-4**  
  *Withdrawn*

- **PE36-5**  
  *Exercise-related Out-of-hospital Cardiac Arrest: Causes and Prognosis - Data from Tokyo CCU Network*  
  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

Kan Saito (Chiba University Graduate School of Medicine, Department of Cardiovascular Medicine, Chiba)

PE36-7 Withdrawn

PE36-8 Validity of Implantable Cardioverter Defibrillator Therapy in Patients with Vasospastic Angina and Sudden Cardiac Arrest

Kazuya Tateishi (Department of Cardiology, Chiba University Hospital, Chiba)

Poster Session 37
Kidney 1

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

Yasuhiro Kaetsu (Department of Cardiology, Kagawa Central City Hospital, Kagawa)

PE37-2 Correlation of Muscle Mass and Estimated Glomerular Filtration Rate Based on Creatinine and Cystatin C in Young Athletes

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

Kazuhiko 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

Yoshiieru Okina (Joetsu General Hospital, Joetsu)

PE37-5 Withdrawn

PE37-6 Preventive Effect of Pretreatment with Pitavastatin on Contrast-induced Nephropathy in Patients with Renal Dysfunction Undergoing Coronary Procedure

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

Agian Jeffiano Barinda (Metabolic Disorder, Cardiovascular, and Aging Cluster, Indonesia Medical Education and Research Institute, Faculty of Medicine, Universitas Indonesia, Indonesia)

PE37-8 Withdrawn

Poster Session 38

PCI DES 2

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>

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

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

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

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

Chairperson: kunio Yufu (Cardiology and Clinical Examination, Oita University, Oita)
Chairperson: Hideki Shimonura (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

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 Atrioventricular 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)
The Use of Single Internal Thoracic Artery vs. Bilateral Internal Thoracic Artery in Coronary Artery Bypass Grafting

Complex Coronary Artery Disease
5-Year Outcomes after Coronary Artery Bypass Grafting Using Single or Bilateral Internal Thoracic Artery for

Debulking E

Effective and Safety of Direct Oral Anticoagulants in Adult Congenital Heart Disease Patients

Quality of Life in Adults after Late Repair of Tetralogy of Fallot: Experience from a Low Middle Income Country

Transient Features of Fontan Failure in Mitral Atresia with Transposition of the Great Arteries: A Case Report

The Effectiveness of Zero-Fluoroscopy Guided Patent Ductus Arteriosus Closure in Comparison to Fluoroscopy: An Evidence-Based Case Report

Speckle-Tracking Echocardiography Analysis to Evaluate Left Atrial Dynamics in Patients with Chronic Heart Failure: A Systematic Review

Long-term Outcomes of Congenitally Corrected Transposition of the Great Arteries: A High-volume Single Center Experience

Oxygen Inhalation could Increase Oxygen Saturation and Decrease Central Venous Pressure in Adult Patients with Fontan Circulation

The Effect of Rotablator in Treating Calcified Coronary Lesions Associated with Aneurysm in Kawasaki Disease

Withdrawn

Minako Hoshiai (Division of Cardiology, Heart Institute, Chiba Nishi General Hospital, Matsudo)

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Minako Hoshiai (Pediatric Heart Center, Yamanashi Prefectural Hospital, Kofu)
PE42-3 Therapeutic Potential of H12-ADP-Liposomes, as a Synthetic Platelet Substitute, for Post-Cardiopulmonary Bypass Coagulopathy
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
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
Massao 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
Yoshihisa Morimoto (Department of Cardiovascular Surgery, Kita-Harima Medical Center, Osaka)

PE42-7 Left Atrial Appendage Flow Velocity Predicts the Risk of Atrial Fibrillation after Mitral Valve Surgery
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
Naoko Iieda (Departments of Cardiology, Showa University Koto Toyosu Hospital, Tokyo)

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Poster Session 43
Infection/Mycocarditis 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
Hisanori Kosuge (Department of Cardiology, Tokyo Medical University, Tokyo)

PE43-2 Withdrawn

PE43-3 The Characteristics of the Patients Who Infected Human Immunodeficiency Virus and Diagnosed Ischemic Heart Disease, and Prognosis after Coronary Revascularization
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
Rei Kuji (Kokura Memorial Hospital, Kitakyushu)

PE43-5 Withdrawn

PE43-6 Neglected Catheter-Related Bloodstream Infective Endocarditis of Tricuspid Valve Complicated by Pulmonary Hypertension: A Rare Case
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
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
Eiichiro Oka (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

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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
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
Takahiro Onuki (Department of Cardiology and Clinical Examination, Oita University, Oita)

PE44-3 The Possibility of Relation between DNA Methylation and Atrial Remodeling in Pressure-overload Murine Model
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
Megumi Fukuyama (Department of Cardiology, Shiga University School of Medicine, Otsu)

PE44-5 CanagliflozinSuppresses the Electrophysiological Changes in Isoproterenol-induced Myocardial Injury Rat Model
Shuhei Kobayashi (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagamihara)

PE44-6 How the Deuteration of Dronedarone can Modify Its Cardiovascular Profile: A New Strategy for Optimizing Efficacy and Adverse Effects
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
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
Nobuyuki Murakoshi (Department of Cardiology, Faculty of Medicine, University of Tsukuba, Tsukuba)

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Poster Session 45
Vascular 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
Kohei Kawamura (Department of Cardiovascular Medicine, Okayama City Hospital, Okayama)

PE45-2 Predictive Factors for Postoperative Hypoxia in Acute Type A Aortic Dissection
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
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
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
Keisuke Sendai (Department of Cardiology, Aizawa Hospital, Matsumoto)

PE45-6 The Predictors of <0.1 ABI Change after Femoropopliteal All Balloon Angioplasty
Satoru Okukuma (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
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
Keisuke Sendai (Department of Cardiology, Aizawa Hospital, Matsumoto)

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Poster Session 46
Vascular 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 Ujita (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 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 Artery 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. Formosam 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
Tsung-Shyang 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)**

Poster Session 49

**ACS (Treatment) 1**

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**Chairperson :** Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)  
**Chairperson :** Mikito Takefuji (Nagoya University, Nagoya)

**PE48-1** Withdrawn

**PE48-2** SIRT1, a Histone Deacetylase, Mediates the Proper DNA Damage Response to Protect against Doxorubicin-induced Cardiotoxicity

Atsushi Kuno (Department of Pharmacology, Sapporo Medical University, Sapporo)

**PE48-3** Cardiac Mitofusin-1 is Reduced in Non-responding Patients with Idiopathic Dilated Cardiomyopathy

Yang-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

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

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

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

Tatsuya Sato (Department of Cardiovascular, Renal, and Metabolic Medicine, Sapporo Medical University School of Medicine, Sapporo)

**PE48-8** Downregulation of HERPUD1 Exacerbates Oxidative Stress-induced Mitochondrial Dysfunction and Cardiomyocyte Death

Soichiro Ikeda (Department of Cardiovascular Medicine, Faculty of Medical Sciences, Kyushu University, Fukuoka)

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**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

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

Yutaka Yoshino (Department of Cardiology, Narita Red Cross Hospital, Chiba)

**PE49-3** Underoptimized Prior Statin Therapy in Acute Coronary Syndrome

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

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

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

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

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 ................................................................. 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 (Shizuoka Prefectural Central Hospital, Kamaeawa)

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
Markhobo 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
Koaru 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 Kobyashl (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 (Sriraj Hospital, Thailand)
**Poster Session 52**  
**Cardio-Oncology 1**  
9:00-17:00

Chairperson: Jiro Sakamoto (Tenri Hospital, Department of Cardiology, Tenri)  
Chairperson: Ken-icke 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**  
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**  
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**  
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 Epirubicine Recipients for Ovarian and Breast Cancers**  
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**  
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)**  
Kenta Mori (General Internal Medicine, Kobe University Hospital, Kobe)

**PE52-7**  
**Withdrawn**

**PE52-8**  
**30% of Cancer Patients with Pulmonary Embolism was Asymptomatic despite Same Value of D-dimer Compared with Non-Cancer Patients**  
Hiroshi Kojima (Department of Cardiovascular Medicine, Kitakyushu Municipal Medical Center, Kitakyushu)

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**Poster Session 53**  
**Cardio-Oncology 2**  
9:00-17:00

Chairperson: Kazumori Otsubi (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**  
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**  
Kei Iida (Division of Cardiology, Shizuoka Cancer Center, Suntou-Gun)

**PE53-3**  
**Pericardiac Effusion as an Acute Presentation of Malignancy**  
Kent Ter Lau (Miri General Hospital, Malaysia)

**PE53-4**  
**Blockade of the Adrenomedullin-RAMP3 System Suppresses Metastasis through Modification of Cancer-associated Fibroblasts**  
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**  
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

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

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

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

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

Tomohiro Tada (Hakodate Goryoukaku Hospital, Hakodate)

PE54-5 The Mechanism and Prognosis of Acute and Late Improvement in Mitral Regurgitation after Cardiac Resynchronization Therapy

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

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

Masamitsu Nitta (Chiba-Nishi General Hospital, Matsudo)

PE54-8 Risk Factors for Defibrillation Testing Failure in Patients with Transvenous Implantable Cardioverter Defibrillator

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, Kyuoto University, Kyoto)

PE55-1 Causes and Trends of Inappropriate Shocks of Subcutaneous Implantable Cardioverter-defibrillator in the SMART Pass Era

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

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

Tsuyoshi Iawai (Department of Cardiology, Sendai Kouei Hospital, Sendai)

PE55-4 Microbiological Characteristics and Selection of Antibiotics for Cardiac Implantable Electronic Device Infection in Our Hospital

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 Sarcoideosis Implanted Cardiac Electronic Devices ......................................................... 4049
Yuki Arakawa (Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagamihara)

PE55-6  Utility of External Loop Recorders in Patients with Pre-syncopal Symptoms ......................................................... 4050
Hissaharu 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 Ieda (Shinoda General Hospital, Department of Cardiology, Yamagata)
Chairperson: Tomohiko Kisaka (Translation 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
Idera 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
Hirotoishi 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: Toshiihiro 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)
Prediction of Acute Coronary Syndrome, Ischemic Stroke, and Mortality in Patients with Heart Failure

Pei-Yun Hu (CMUH, Taiwan)

Withdrawn

The Comparison of Risk Factor between Heart Failure with Reduced Ejection Fraction and Heart Failure with Preserved Ejection Fraction

Niyata H. Karunawan (Faculty of Medicine, Duta Wacana Christian University, Indonesia)

Clinical Phenotypes and Non-valvular Atrial Fibrillation Defined by Cluster Analysis: The J Rhythm Registry Subanalysis

Eiichi Watanabe (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)

A Novel and Simple Risk Score for the Prediction of Bleeding in Atrial Fibrillation Patients with Direct Oral Anticoagulants

Masato Kawasaki (Division of Cardiology, Osaka General Medical Center, Osaka)

Effect of Uninterrupted Use of Non-Vitamin K Antagonists on Incidence of Silent Cerebral Events after Atrial Fibrillation Ablation

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

The Safety of Dabigatran Bridging Therapy during Hospitalization for Atrial Fibrillation Ablation

Kentaro Adachi (Department of Cardiology, Toyota Kosei Hospital, Toyota)

Clinical Adverse Events of Under-dose or Discontinue Direct Oral Anticoagulants after Atrial Fibrillation Ablation: Subanalysis from the AF Frontier Ablation Registry

Yuji Wakamatsu (Division of Cardiology, Nihon University Itabashi Hospital, Tokyo)

Withdrawn

Anticoagulation Therapy and Clinical Outcomes among Elderly Patients after Venous Thromboembolism: From the COMMAND VTE Registry

Tomohisa Tada (Division of Cardiology, Shizuoka General Hospital, Shizuoka)

Why Does Embolic Stroke Related to Non-valvular Atrial Fibrillation not Decrease?

Chisa Asahina (Yamanashi Prefectural Central Hospital, Yamanashi)

Clinical Course of Cancer-associated Pulmonary Embolism Treated with Direct Oral Anticoagulants: Prognosis, Recurrence of Venous Thromboembolism and Major Bleeding Complication

Yoshihisa Nakano (Nagoya University Graduate School of Medicine, Department of Advanced Medicine of Cardiopulmonary Disease, Nagoya)

Evaluation of Direct Oral Anticoagulant Therapy for Digestive Organ Cancer Related Venous Thromboembolism

Yutaka Ogino (Department of Cardiology, Yokohama City University Medical Center, Yokohama)

The Characteristics of the Elderly Patients with Acute Pulmonary Thromboembolism Based on the Tokyo CCU Network Registry

Makoto Shoji (Tokyo CCU Network Scientific Committee, Tokyo)
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
Touru 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
Junpei Mano (Technology Development HQ, OMRON Healthcare Co., Ltd., Muko/Graduate School of Science and Technology, Nara Institute of Science and Technology, Ibaraki)

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 Yondonjants (Institute of Medical Science, Mongolia)

PE60-7 Hemodynamic Management of Hypertension: An Individualized and Precise Method to Treat Hypertension .................................................. 4075
Francisco Chacon Lozsan (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
Shuko Iwata (Nayoro City General Hospital, Nayoro) 4079

PE61-5 Clinical Effectiveness and Adverse Events of Tolvaptan in Very Elderly Patients with Acute Decompensated Heart Failure
Yasuke Morita (Division of Cardiology, Shimane University Faculty of Medicine, Izumo) 4079

PE61-6 Impact of Polypharmacy on Adherence and Prognosis in Patients with Acute Decompensated Heart Failure: From CURE-HF Registry
Hirohiko Motoki (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto) 4080

PE61-7 Association of Early Tolvaptan Treatment and Length of Hospital Stay in Elderly Patients with Heart Failure with Preserved Ejection Fraction
Sho Suzuki (Department of Cardiovascular Medicine, Minaminagano Medical Center, Shinonoi General Hospital, Nagano) 4080

PE61-8 Evaluation of Clinical Efficiency of Sucobetril/Valsartan in Patients with Chronic Cardiac Insufficiency with Associated Diabetes Milletensus 2 Type
A.O. Khalikova (Tashkent Medical Academy, Tashkent, Uzbekistan) 4081

Poster Session 62
PCI Restenosis 9:00-17:00
Chairperson: Ichiro Hamanaka (Rakukakai Marutamaichi Hospital, Kyoto)

PE62-1 Shorter Duration from the Index PCI Correlates with Higher Recurrent Target Lesion Revascularization Rate after the Drug Coated Balloon Angioplasty
Tomohiko Sato (Department of Cardiology, New Tokyo Hospital, Matsudo) 4082

PE62-2 Predictors of Early and Late Target Lesion Revascularization after Everolimus-Eluting Stent Implantation
Teruki Takeda (Department of Cardiology, Koto Memorial Hospital, Higashi-Ohmi) 4083

PE62-3 Clinical Characteristics of Patients with In-stent Neatherosclerosis and Very Late Stent Thrombosis
Tadanao Higaki (Department of Cardiology, Hiroshima Citizen Hiroshima City Hospital, Hiroshima) 4083

PE62-4 Impact of Glycemic Control on Incidence of Target Lesion Revascularization after Percutaneous Coronary Intervention in Patients with Diabetes Mellitus
Takanari Fujita (Department of Cardiovascular Medicine, Koto Memorial Hospital, Higashiohmi) 4084

PE62-5 Comparison of Paclitaxel-coated Balloon versus Stent Implantation for In-stent Restenosis in Patients with Hemodialysis
Kenichi Yamane (Division of Cardiology, Akane Foundation Tsuchiya General Hospital, Hiroshima) 4084

PE62-6 Comparison of the Clinical Outcomes after Revascularization for In-Stent Restenosis between Bare-Metal Stents and Drug-Eluting Stents
Kenichi Yamane (Division of Cardiology, Akane Foundation Tsuchiya General Hospital, Hiroshima) 4085

PE62-7 Clinical Impact of Neointimal Tissue Characteristics in Patients Treated with Paclitaxel-Coated Balloon for Second-Generation Drug-Eluting Stent Restenosis
Hisakazu Masuda (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu) 4085

PE62-8 What is More Serious Risk in Prevention of Recurrent Cardiac Ischemia in Patients Who could not Achieve Appropriate LDL-C Management?
Akihiro Endo (Division of Cardiology, Shimane University Faculty of Medicine, Izumo) 4086

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
Hiroki Ueno (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura) 4087
PE64-2 Bench Test for Optimal Repetitive Proximal Optimizing Technique Using Multimodality Imaging ........................ 4088
Teruyoshi Kume (Department of Cardiology, Kawasaki Medical School, Kurashiki)

PE64-3 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)

PE64-4 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)

PE64-5 Withdrawn ................................................................. 4089

PE64-6 Withdrawn .................................................................... 4090

Poster Session 64
Thromboembolism 2 ................................................................. 9:00-17:00

Chairperson : Kyousuke 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, Hirokawa University School of Medicine, Hirokawa)

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-oesophageal 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 Nonvalvular 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：塚出 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鎌倉病院 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 (熊本医科大学 保健衛生学部衛生学学科)
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 隆敏 (東京都立循環器病院 血管内科)
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 環境循環器内科)
PJ1-8  Cardiopulmonary Exercise Test Variables at the Hospitalization and Cardio Vascular Events after Acute Myocardial Infarction  4100
布部 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 敏真 (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 亮史 (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 哲司 (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 朝平 (広島市民病院 循環器内科)
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
古山 智貴 (大阪市立大学院医学研究科 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：田村 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 貴宏 (兵庫赤十字病院 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 知成 (大阪市立大学病院 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

PJ3-5 Long-term Prognosis and Cardiac Involvement in Patients with Extra Cardiac Sarcoidosis ................................................................. 4108

PJ3-6 Relapse of Active Inflammation Assessed by Serial F-fluorodeoxyglucose Positron Emission Tomography in Cardiac Sarcoidosis during the Long-term Corticosteroid Therapy ................................................................. 4109

PJ3-7 Negative Scan for Technetium-99m Pyrophosphate Scintigraphy Has a Detrimental Effect on Survival in Wild-Type Transthyretin Cardiac Amyloidosis ................................................................. 4109

PJ3-8 Diagnosis of Isolated Cardiac Sarcoidosis on the Basis of Japanese Circulation Society Guidelines ................................................................. 4110

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：倉野 哲弘（京都府立医科大学総合診療部心臓血管内科）

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座長：塚路 元介（福岡市民医療センター心臓血管内科）
座長：森田 英晃（大阪医科大学附属病院第三内科）

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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（兵庫県立企業病院総合医療センター）

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座長：小田 哲郎（山口大学医学部循環器内科学）
座長：名波 智光（東京慈恵会医科大学内科学講座循環器内科）

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石野 直樹（千葉県立前橋病院 循環器内科）

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ボスターセッション 14
Nuclear Imaging 1

9:00-17:00

座長：肥田 敏（東京医科歯科大学循環器内科）
座長：村田 清弘（徳島県立徳島大学循環器内科学）

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Nuclear Imaging 2

9:00-17:00

座長：竹花 一哉（関西医科大学病院内科学第二講座）
座長：門上 俊明（福岡県医学会二日市病院循環器内科）

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(a) in a General Population

Meters in General Population

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PJ18-7 One-year Follow-up of Pacing Dependency after Transcatheter Aortic Valve Implantation

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座長：木下 健（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 一浩（愛知医科大学循環器内科）

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座長：戸中 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（徳隷病院）
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PJ21-2 Role of the Intramural Adipose Tissue of the Interventricular Septum on Incidence of Atrial Fibrillation

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PJ23-3 Role of the Intramural Adipose Tissue of the Interventricular Septum on Incidence of Atrial Fibrillation

PJ23-4 Clinical Significance of Left Atrial Function by Standard Doppler Indices after Atrial Fibrillation Ablation

PJ23-5 Cryoballoon Ablation Induce Transient LVEF Reduction due to Left Atrial Reservoir Dysfunction

PJ23-6 Hyperenhancement of Left Atrial Wall Detected by 3D-High Resolution Late Gadolinium Enhanced Magnetic Resonance Imaging in Patients with Atrial Fibrillation

PJ23-7 Impact of Nasal Trouble and Paranasal Images in Patients with Atrial Fibrillation

PJ23-8 The Effect of Mitral Regurgitation and Tricuspid Regurgitation on Recurrence of Atrial Fibrillation after Ablation

PJ24-1 Prognostic Verification between IMPELLA Alone and IMPELLA with PCPS for Cardiogenic Shock

PJ24-2 Prognostic Factors in Patients Underwent VA-ECMO in Oita Multicenter Registration Study

PJ24-3 The Importance of Pulmonary and Hemodynamic Management in Patients with Venoarterial Extracorporeal Membrane Oxygenation

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PJ24-8 The Effect of Negative Expiratory Airway Pressure on the Systemic Circulation: A New Strategy to Salvage Patients with Cardiogenic Shock
PJ23-3  Cardiovascular Dysfunction in Heterozygous Familial Hypercholesterolemia Patients with Diabetes Mellitus
渡邉 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/IAP
大久保 亮（東北大学医学部 大森病院内科学講座循環器内科）

PJ23-5  Young Female Japanese Patients with High-risk Familial Hypercholesterolemia were at High Risk of Cardiovascular Events
今村 泰志（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
塚 光一朗（日本大学医学部内科学系循環器内科）

PJ23-7  Small Dense Low-Density Lipoprotein Cholesterol as a Predictor for Rapid Progression of Non-culprit Lesion in Patients with Acute Coronary Syndrome
関本 歩雄（昭和大学内科講座循環器内科）

PJ23-8  People with High Non-HDL Cholesterol Have Increased Risk of High Medical Expenses in Middle-aged Male Workers
西村 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 昌章（京都大学大学院医学研究科循環器内科）
座長：本多 勝昭（関西医科大学病院腎臓・高血圧内科）

PJ24-1  演題取り下げ

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
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?
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

PJ24-5  Effect of an Oral Adsorbent, AST-120, on Oxidative Stress and Long-term Outcomes in Chronic Kidney Disease Patients with Cardiovascular Disease
豊田 克（関西医科大学心臓・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
伊藤 都裕（兵庫医科大学薬学部）

PJ24-7  Continuous Blood Pressure Control Inhibits Progression of Proteinuria in 10-year Follow-Up Diabetic Patients
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
福本 勝文（心臓血管研究所附属病院 循環器内科）

ポスターセッション 25
Diabetes 9:00-17:00

座長：小笠 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
井上 航之祐（産業医科大学循環器・腎臓内科）
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PJ25-3  Potential Risk of Hypoglycemia in Patients with Heart Failure ............................................. 4217

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PCI DES 1  9:00-17:00

座長：増田 博（医療法人社団時雨会徳東記念病院循環器内科）

座長：谷野 文治（東海大学医学部附属第八病院循環器内科）

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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）
Pulmonary Circulation 2

9:00-17:00

ポスターセッション 28

Pulmonary Circulation 2

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）

P.28-1 Right Intraventricular Dyssynchrony Associated with Pulmonary Arterial Compliance is More Evident in Chronic Thromboembolic Pulmonary Hypertension than Pulmonary Arterial Hypertension

山方 勇樹（長崎大学病院循環器内科）

P.28-2 Assessment of Microvasculopathy in Chronic Thromboembolic Pulmonary Hypertension after Intervventional Treatment

大西 裕之（神戸大学循環器内科）

P.28-3 High-sensitive Cardiac Troponin T Levels are Associated with Right Ventricular Dysfunction in Patients with Chronic Thromboembolic Pulmonary Hypertension

山方 勇樹（長崎大学病院循環器内科）

P.28-4 Efficacy of Pulmonary Hypertension-Targeted Drugs for Severe Chronic Thromboembolic Pulmonary Hypertension

吉岡 卓（杏林大学循環器内科学）

P.28-5 De-escalation/Discontinuation of Oxygen-Therapy and Medication is Feasible and Safe in Chronic Thromboembolic Pulmonary Hypertension Patients Treated with Balloon Pulmonary Angioplasty

木村 舞（慶應義塾大学医学部循環器内科）

P.28-6 Practice of Portopulmonary Hypertension in One Japanese Center -An Emphasis on Cases with Pulmonary Hypertension Preceding Liver Disease

菊池 華子（杏林大学医学部循環器内科）

P.28-7 Clinical Usefulness of “Volume-Count Mismatch” on Lung Perfusion Scintigraphy for Evaluation of Severity of Pulmonary Hypertension

木曾 啓悟（国立循環器病研究センター放射線部）

P.28-8 Impact of Skeletal Muscle Mass and Function on Exercise Capacity in Patients with Pulmonary Hypertension

小西 正昭（横浜市立大学第二内科）
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Coronary Artery Disease (Clinical) 2

座長：麻生 真一（医療法人財団福寿会心臓病院）

座長：高橋 賢（東京大学病院循環器内科学）

PJ29-1 演題取り下げ

PJ29-2 Relationship between Resting Full-Cycle Ratio and Fractional Flow Reserve in the Assessment of Coronary Stenosis Severity

室屋 隆浩（佐世保市総合医療センター 循環器内科学）

PJ29-3 Glasgow Prognostic Score can be a Prognostic Indicator after Percutaneous Coronary Intervention

野池 克太（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

野々上 明（東京慈恵会医科大学 循環器内科学）

PJ29-5 LDL-C Lowering Therapy Affect the Clinical Outcomes in Patient with FFR under 0.8

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

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

古賀 聖士（長崎大学病院 循環器内科学）

PJ29-8 Frequency and Factor Associated with Discordance between Resting Full-Cycle Ratio, Diastolic Pressure Ratio, and Fractional Flow Reserve

大鳥 哲太郎（横浜栄共済病院 内科）

ポスターセッション 30

Heart Failure (Biomarker)

座長：杉原 志伸（島根大学保健管理センター）

座長：藤井 聡（旭川医科大学循環器内科）

PJ30-1 Impact of Mean Platelet Volume and Platelet Distribution Width on Heart Failure Events and Total Mortality

大井田 充範（心臓血管研究所 循環器内科学）

PJ30-2 Clinical Significance of Reactive Oxidative Metabolites in Patients with Non-ischemic Heart Failure with Reduced Ejection Fraction

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

奥村 貴奈（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

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

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

高橋 邃（札幌医科大学医学部 循環器・腎臓・代謝内分泌科学講座）

ポスターセッション 31

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座長：黒神 みゆき（北里大学看護システム学）
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座長：西内 英（東京慈恵会医科大学循環器内科）
座長：古澤 眞志（京都大学医学部附属病院 循環器内科）

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ポスターセッション 36
Heart Failure (Basic)

座長：小原 幸 (京都薬科大学臨床薬学)
座長：中川 裕章 (京都大学大学院医学系研究科循環器内科)

PJ36-1 Cardiomyocyte-specific Cell-free DNA Analysis Using Methylation Profile and Digital Polymerase Chain Reaction in Patients with Heart Failure
横川 哲朗 (福岡医療センター循環器内科)

PJ36-2 Autologous Skeletal Myoblast Sheet Implantation Suppresses the Deterioration of a Pressure-overloaded Right Heart in a Porcine Model
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
岡本 隆二 (三重大学 循環器内科)

PJ36-4 Oral Administration of Euglena Gracilis Z Alleviates Constipation in a Mouse Model of Isoproterenol-induced Heart Failure
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
末富 建 (山口大学 器官病態内科)

PJ36-6 Deranged Fatty Acid Composition by Elov6-knockout Induces Cardioprotective Mechanism during Pressure Overload: A Potential New Therapeutic Target for Heart Failure
忠本 沙耶香 (薬科大学 保健学研究科 生体情報検査科学講座)

PJ36-7 演講取り下げ

PJ36-8 Identification of Anti-hypertrophic Compounds from Natural Compounds
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)

座長：加藤 公彦 (医療法人香緑会メイトウホスピタル)
座長：田田 喜也 (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
瀬尾 昌裕 (大阪急性病総合医療センター 心臓内科)

9:00-17:00
PJ37-2 Prognostic Significance of Liver Stiffness Assessed by Fibrosis-4 Index in Patients with Heart Failure ................................. 4276
高江 善史（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 英志（札幌医科大学循環器・腎臓・代謝内分沁科学講座）

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（東京医科歯科大学循環器内科学）

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・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高崎病院循環器内科）

PJ37-7 Utility of Collagen-derived Peptides as Markers of Organ Injury in Patients with Acute Heart Failure .................................................. 4278
丸山 柏里（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内科）

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（北海道大学病院病院病態内科学）

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 崇雄（岐阜県立大学医学部心臓内科学）

PJ38-4 Trpv1 Senses Hyperthermia Following Differentiation in Myoblast Cells .................................................. 4282
小野 正太郎（関西医科大学）

PJ38-5 Effects of Exercise Modes on Oxygen Uptake Efficiency Slope ................................. 4282
馬場 礼三（中部大学生命健康科学部 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病院）

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（日本医科大千葉北総病院集中治療部）

PJ39-1 診断取り下げ .................................................. 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）
ポスターセッション 40
Hypertension (Clinical) 9:00-17:00

座長：宮内 芊（茨城大学医学部循環器内科）
座長：小谷 英太郎（日本医科大学多摩病院内科・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
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
鈴木 智（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
渡邉 奨郎（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）

PJ40-4 演題取り下げ

PJ40-5 Clinic Private Room Self-Measured Blood Pressure might be an Effective Means to Predict the Prognosis of Hypertensive Patients under Treatment
関口 洋平（関口内科医院）

PJ40-6 The Effect of Health Class on Blood Pressure Status in Tarumizu City
赤崎 雄一（鹿児島大学 心臓血管・高血圧内科）

ポスターセッション 41
Heart Failure (Pharmacotherapy) 2 9:00-17:00

座長：北口 勝司（枚方市立病院循環器科）

PJ41-1 Effect of Empagliflozin as Add-on Therapy on Decongestion and Renal Function in Diabetic Patients Hospitalized for Acute Decompensated Heart Failure
玉置 慎介（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
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
福田 英男（名古屋市立大学医学研究科）

PJ41-4 Comparison of SGLT2 Inhibitors Induced Diuretic Action in Diabetic Patients with Heart Failure with Reduced, Midrange and Preserved Ejection Fraction
中垣内 昌樹（名古屋大学 第二内科）

PJ41-5 Outpatient Use of Tolvaptan Extended a Period until Recurrence Heart Failure Admission in Patients over 85 Years Old
半田 武己（髙陵病院循環器・心臓血管外科）
ポスターセッション 42
Thromboembolism 3
9:00-17:00

座長：河合 勇義（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（藤枝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）

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 孝敏（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

堀 浩之（神奈川県内科医学会心臓血管疾患対策委員会）

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：高見 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 康正（市立広和市民病院循環器内科）

PJ43-2
The Significance of Real-time Monitoring of Pulmonary Vein Potentials during Hotballoon Ablation for Pulmonary Vein Isolation 4305

横山 正晴（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
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講座）
ポスターセッション 44
AF/Heart Failure 9:00-17:00

座長：松本 健一（東京慈恵会医科大学心臓血管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
間口田 大（福島福島病院 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
青野 佐哉（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
橋本 健司（慶應義塾大学病院 循環器内科）

PJ44-4 Catheter Ablation of Atrial Fibrillation Improved Renal Function and Exercise Capacity in Patients with Impaired Exercise Capacity and Persistent AF
武 巧（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
山内 良太（大塚大学病院 循環器内科）

PJ44-6 Predictor of Tachycardia Induced Cardiomyopathy in Patients with Persistent Atrial Fibrillation by Cardiopulmonary Exercise Testing
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
佐藤 宏行（手稲厚生病院 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
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 演題取下げ

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
小林 真琴（CVIC 心臓画像クリニック 飯田橋）

CP1-3 冠動脈造影スコア 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
齋藤 和歩（群馬県立心臓血管センター 放射線課）

CP1-4 心腔 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
森 善多（もりし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
上山 忠政（鳥取県立中央病院 中央放射線室）
チーム医療セッション 一般演題（ポスター） 2

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
湯田 恒平（一般財団法人自警会 東京警備病院）

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
吉田 学男（財団法人 自警会 東京警備病院 放射線科）

CP2-3 心臓 MRI における BMI の関係性について検討
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

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
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
高橋 英彰（福島県立医科大学附属病院 放射線部）

CP2-7 当院における横断型心臓アリバイ患者の MRI 撮像現状
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

座長：杉 佳紀（帯広医科大学国際医療センター 心臓内科）

CP3-1 心筋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
黑岩 亮平（横浜市立みなと赤十字病院 薬剤部）

CP3-2 ホットバリーヌ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
増田 愛子（公財）日本心臓血管研究振興会附属 横浜記念病院 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置換術の認知機能改善効果の検討
渡邉 鴈子（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
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（ラディスポ用ベルト-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～
井戸 理紗（甲府城南病院）

CP3-6 演題取り下げ

チーム医療セッション 一般演題（ポスター） 4

座長：大島 一太（大島医療院院長）

CP4-1 急性期患者における CNS － DSC 連携を使った病棟モニタート電図解析の有用性についての検討
高井 美穂（医療法人社団平成 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
牧野 亜実（AOI 国際病院 検査科）
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

座長：森 紘成（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）

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）

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 哲士（神戸市立医療センター中央市民病院 臨床工学技術部）

CP5-4 心房細動アブレーションにおける Leftee ステッカーパルスの有用性についての検討
今村 和（AOI 国際病院 臨床工学学科）

CP5-5 第 4 世代ショートチップクライオパ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
仏野 有希菜（藤田医科大学病院 臨床工学部）

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 命（AOI 国際病院 技術学科）

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 茨城県南東部総合病院 上田病院 臨床工学部）

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）

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

座長：野寺 慶仁（高の原中央病院 臨床工学部）

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）

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）

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（市立駒沢総合病院 臨床工学部）

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マネージによる支援効果（第 1 報）
小川 茜美（神戸大学医学部附属病院 循環器内科）

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（大阪府立医科大学病院 臨床工学技術部）

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
玉井 芊（大阪急性期・総合医療センター 臨床工学部）
チーム医療セッション  一般演題（ポスター） 7
不整脈  アプローチ 3

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
          洪田 里美（東京医科歯科大学 医学科附属病院 検査部）

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 真武（土別市立病院 診療技術部 診療放射線室 放射線科）

CP7-3  常温 MR 磁気センサ 2 面心電計による心電流マッピング
          ササヒ（TDK 株式会社）

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
          杉山 朋宏（神戸市立医療センター 中央市民病院）

CP7-5  HotBalloon が EnsiteSystem の位置情報に与える影響の検討
          大島 佐貴（一宮市立市民病院 臨床工学室）

CP7-6  臨床治療を模倣した高周波アプローショング（実験系による焼灼効果相関の検証）
          及川 駿花（新潟大学 保健学研究科）

CP7-7  DFA 分枝に直接穿刺からの coilng により止血成功した一例
          中川 太祐（京都大学医学部附属病院 医療機能部）

CP7-8  頭神経血管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
          塚田 知子（東京医科大病院不整脈センター）

チーム医療セッション  一般演題（ポスター） 8
運動負荷 1

座長：小林 康之（群馬県立心臓血管センター技術部生検室）

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
          田中 隆司（胸壁血管研究所 リハビリテーション室）

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（群馬県立病院 リハビリテーション部）

CP8-3  演題取り下げ

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）

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 剛（飯塚病院 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） 9
運動負荷 2

座長：藤田 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）と氧気性代謝価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）

CP9-2  高齢心疾患患者の退院時電気活動速度に関連する因子の検討
          小林 直樹（国際総合循環器病院 リハビリテーション室）

CP9-3  肥大型心筋症患者の血圧上昇悪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（パノニック対策研究室 松下記念病院 臨床検査科）
チーム医療セッション 一般演題（ポスター） 10
補助循環

座検：伊藤 朋晃（小倉記念病院検査技術師部理工学科）

CP10-1 IABP 合併症と IABP 合併症例の予後について
岩永 晃希（地方独立行政法人 大阪府立病院機能 全区次期 高齢医療センター 臨床工学部）

CP10-2 心原性ショックに対する Impella + ECMO の有用性を検討する
大谷 真介（兵庫県立循環器病センター）

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
奥田 喜希（兵庫県立医療センター）

CP10-4 当院での ECMO チームの活動報告
戸塚 岡洋（済生会総合病院 臨床工学部）

CP10-5 兩心室再同期療法デバイスに影響を及ぼす挿込み型補助人工心臓システム用ショルダーパックマグネットの磁場干渉領域の検討
千田 清（東京女子医科大学病院 臨床工学部）

CP10-6 演題取り下げ

CP10-7 大動脈弁狭部症を有する慢性維持透析患者の比較検討
石川 平（甲府病院）

CP10-8 ICU 病棟での PCPS 症例における排便に対する大便中腸の大便有用性についての後方視的コホート研究
辻中 海斗（兵庫県立尼崎総合医療センター 統括部）

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

座検：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部）

CP11-1 診療放射線技師の立場から見た経皮的動脈弁置換術（TAVI）導入後の初期成績
田島 修（崎玉県立循環器・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 による分割ボーラーサイズ化の有用性
小柳 仁春（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術後の術後予測
水澤 诚（福岡県立総合病院 放射線科）

CP11-4 演題取り下げ

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
安達 茂行（兵庫県立循環器病センター）

CP11-6 大動脈剝離術後症例に合併した石灰化症度が自己拡張型ステント開存に与える影響
倉田 直哉（関西労災病院 臨床工学部）

CP11-7 演題取り下げ

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
亀澤 雄拓（京都大学医学部附属病院 医療薬剤部）

チーム医療セッション 一般演題（ポスター） 12
フレイル

座検：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～
阿部 康兵（横浜労災病院 中央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） 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適正処方に関連する因子の解析
宮崎 元康（福岡大学筑紫病院 薬剤部）

CP13-2 演題取り下げ

CP13-3 当院における心房細動アプロレーショーン周術期の抗凝固療法
松元 一隆（特定医療法人 渡辺医学会 梶橋渡辺病院 薬剤科）

CP13-4 抗凝固療法中の前処理を伴う出血関連事象に睡眠薬が与える影響について
小田 真司（一般財団法人永源会 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24の薬剤管理と患者教育の試み
福村 樹（北里総合病院 循環器センター）

CP13-6 超音波心電図（TEE）試験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
大津 友紀（福岡大学 実務薬学）

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
大津 友紀（福岡大学 実務薬学）

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 うっ血性心不全症例のより安全かつ積極的なTolvaptan使用を目指して
陶山 泰治郎（三重総合病院 薬剤部）

CP14-2 慢性心不全症例におけるトルバプタソン長期使用の安全性と有効性の検討
前田 真由子（兵庫県立尼崎総合医療センター 薬剤部）

CP14-3 トルバプタソン使用患者におけるWorsening Renal Function発現のリスク因子の検討
岡 佑介（豊島ハートセンター）

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
木下 純一（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
中村 健雄（さいたま市民医療センター 薬剤科）
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（崎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
山田 雅（地方独立行政法人京都市立病院機関京都市立病院 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
平出 正（公益財団法人がん研究癒有病院 病理部）

CP15-3 啫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
船本 雅文（静岡県立大学 大学院 素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者における身体機能は退院後身体活動量に関連する
中島 淑江（愛知医科大学病院 リハビリテーション部）

CP15-5 重症肺血管による切断の術前予測因子の検討
中村 裕理（福岡大学 無病院 病理部）

CP15-6 下肢CTアングログラフィにおける造影剤の最適化について
小林 由枝（名古屋市病院）

CP15-7 重症下肢虚血性患者の創傷再発関連因子の検討
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—
大塚 淑江（心臓病センター機能病院 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 腦干デバイス（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
斎藤 奈緒（宮城大学 看護学部）

CP16-2 演題取り下げ

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
水谷 明樹（横浜市民病院 臨床工学部）

CP16-4 ベースメーカーO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
三浦 千里（湘南藤沢病院）

CP16-5 心臓・血管外科周術期患者におけるMMSEを用いた認知機能評価と背景因子
山川 祐保（関西医科大学病院看護部）

CP16-6 演題取り下げ

CP16-7 認知機能が低下した非脳性心房細動を有する慢性心不全患者の臨床的特徴—当院診療経からの後方視的観察研究—
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
9:00-17:00
座長：戸出 浩之（関西医科大学心臓病センター超音波センター）
チーム医療セッション 一般演題（ボスター） 18
超音波検査 2 9:00-17:00

座長：岡田 裕貴（神奈川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 圓也（熊本大学病院 中央検査部）

CP18-2 高齢心不全患者におけるTRの性質—在宅訪問診療技師による心臓超音波検査から—
小針 幸子（ゆめバーツクリニック 検査課）

CP18-3 明確な手術適応を有さない感染症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）

チーム医療セッション 一般演題（ボスター） 19
超音波検査 3 9:00-17:00

座長：小谷 敦志（近畿大学病院臨床検査部）

CP19-1 ベーチェット病に 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団チームが連携した 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）

CP19-2 心筋移動が疑わしい腎細胞がんの一症例
植田 美幸（兵庫県立がんセンター 検査部）

CP19-3 重症虚血性心筋梗塞後の Perfusion Index は独立した予後予測因子である
藤本 和浩（洛生会和歌山病院 臨床工学科）

CP19-4 パルスドプラを用いた腎うつ血経過観察
安田 英明（大阪市立病院 臨床検査科 血管専門検査室）

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（姬路播磨大学 医療保健学部）

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（大阪市立病院 医療技術部診療検査科）
第84回日本循環器学会学術集会
The Week for JCS2020

チーム医療セッション  一般演題（ポスター） 20
放射線及被曝
座長：加藤 京一（昭和大学医学部）

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及び距離が違う手技の術者と患者の被ばくの現状  .......... 4411
荒井 一平（京都赤十字病院 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 謙介（京都大学大学院医学系研究科 放射線学教室）

CP20-4 心房細動アプロレーション中の放射線量低減がもたらす効果の検討  .......... 4412
小川 保子（市立第四病院 臨床放射線部）

CP20-5 非遠位血管フクラスカの非侵襲的分析を用いた心房細動アプロレーションにおける左房抽出方法の検討  .......... 4412
斎藤 一樹（川崎病院 放射線科）

CP20-6 模擬血管模型を用いた多診断 FFR 値の基礎的検討  .......... 4413
宮本 正武（市川市立病院 診療放射線部 診療放射線室 放射線科）

CP20-7 除別カルテリッドを用いた FFR 解析（QFR: quantitative flow ratio）における造影度に対するプロトコールの有用性の検討  .......... 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
座長：窪田 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を訪問で働いた心リハ指導者の合同企画～重症心不全患者の在宅心不全管理にアドバイザーの介入は効果があるのか？～  .......... 4415
渡辺 康子（みやびパートナーケアクリニック）

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 章光（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：周知不足によるベ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
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CP21-7 心臓カテーテル検査・治療におけるサイクルタイムの短縮と患者の満足度の検討  .......... 4417
野田 美枝（福岡県立循環器病院）

CP21-8 モービル CCU における CCU 看護師の役割  .......... 4418
波多江 達（柳原記念病院 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
座長：岸 拓弥（宮崎医療福祉大学大学院医学研究科 循環器内科学分野）

第84回日本循環器学会学術集会
The Week for JCS2020
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：池亜 俊美（総原記念病院看護部）

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（関西） 亮子（大阪大学 保健学科）

CP23-2 指導的介入困難は心不全対入院のリスクとなる
佐藤 麻美（公益財団法人 心臓血管研究所附属病院）

CP23-3 セルフケアを支援するための当院の課題
松本 様（名古屋ハートセンター）

CP23-4 心不全患者の退院時生活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 雪輝（名古屋ハートセンター）

CP23-5 MitraClip 術を受けた心不全患者に有効な看護介護の検討
石川 里恵（医療法人名古屋復心会 名古屋ハートセンター 看護部）

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 看護部）

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（関西大学 老年病・循環器内科学）

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 香子（高知県立大学 看護学部）

CP24-2 心臓移植を望む、IMPELLAS 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
加賀 喜久（公益財団法人 日本心臓血管研究所附属総合記念病院 看護部）

CP24-3 末期心不全患者の全人的苦痛の緩和に関する—考察
杉村 千秋（神戸市立医療センター中央市民病院）

CP24-4 虚血性心筋症（EF24 ％）症例高齢心不全在宅患者の病態に基づく生活調整－医学的症例共有により生活調整ができた 1 事例—
大伴 俊代（株式会社 Leap 潜問看護ステーション ブレックス）

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（近畿医療大学 東洋病院 看護部）
チーム医療セッション 一般演題（ポスター） 9:00-17:00

座長：福尾 惠介（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閉鎖不全症患者の体験歴と再入院要因についての検討
田代 直宏（福岡大学西新病院 栄養管理科）

CP25-2 新たな栄養指標は心房細動の病態進行に関係するか
高野 明香（順天堂大学医学部附属順天堂大学臨床工学室）

CP25-3 演題取り下げ　

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
松﨑 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
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か
清水 奈奈（価値観研究大学 分子病態学講座）

CP25-7 演題取り下げ　

CP25-8 禁煙前後の BMI、腹部、血液検査値と血清尿酸値（UA）の比較検討
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） 9:00-17:00

座長：花房 裕輔（岡崎医科大学附属医療センターリハビリテーションセンター）

CP26-1 高齢心臓疾患患者における手術後臥位と退院時身体機能低下の検討
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 各ドメインの継続的変化の特徴について
渡邉 英孝（順天堂大学医学部附属順天堂大学リハビリテーション科）

CP26-3 フレアブルを有する心臓血管外科手術前の身体機能の特徴
若菜 理（社会医療法人天神会 新宿病院 リハビリテーション部）

CP26-4 心大血管手術後リハビリ・退院調整訓練となるリスク因子の探索
佐藤 濱美（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
佐藤 美美（公益財団法人 心臓血管研究所付属病院）

CP26-6 心臓・血管外科手術における開心術を受けた後期高齢患者のフレアの実態調査
渡邉 雅弘（関西医科大学病院 看護部）

CP26-7 心大血管手術後の臥床拡大の影響を体積増加率は影響するか
菅原 洋美（社会医療法人 天神会 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する理学療法介入し発達を促した一例
志真 奈穂子（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

座長：伊東 聡（医療法人社団ゆめの看護部）

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
吉 みなみ（南東北グループ 医療法人財団 健雅会 総合東京都病院 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
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）地域連携バス手帳の運用状況
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
増本 栞里子（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

CP27-6 演題取り下げ

チーム医療セッション  一般演題（ポスター） 28
慢性期看護

座長：中村 英策（公益財団法人 田辺興風会 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
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
五十嵐 直（聖路加国際病院 心血管センター）

CP28-3 演題取り下げ

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－
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
久保田 眞美（SUBARU 健康保険組合 大田記念病院 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
坂沼 優（西東メディカルセンター病院）

CP28-7 CCU 退院時の FSS-ICU スコアは転帰先や在院日数などに関与するのか
吉田 靖信（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

チーム医療セッション  一般演題（ポスター） 29
チーム医療

座長：石井 典子（関東記念病院看護部）

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
佐藤 麻美（公益財団法人 心臓血管研究所附属病院）

CP29-2 演題取り下げ

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～
中村 友美（茨城病院 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
平久保 祐貴（国際医療福祉大学病院 看護部）

CP29-5 演題取り下げ
CP29-6 内臓逆位に伴う解剖学的解剖学的特性により呼吸不全、うっ血肝、高 NH3 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  藤木 あかね（社会医療法人社団 至誠会 木材病院 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 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  菅原 奈太（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  安楽 摩美（京都大学医学部附属病院 放射線部）

CP30-4 多職種介人の効果が見えるな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～ 寺田 良季子（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～  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  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 デイベート「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

溝口 生弘（聖隷浜松病院救命救急センター）

討論 2942

J-ReSS2020 デイベート「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 志理（早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（弘南大学高度救命救急センター）
J-ReSS2020
ディベート「CPRを再考する」3
9:00-17:00

座長：真弓 卓彦（産業医科大学救急医学講座）
座長：高橋 健（京都大学医学部応急救急センター）

J-ReSS-DS3-1 Pros：気管挿管は必要
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
宮部 洋太（総合大廈病院集中治療科）

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急救急センター）
座長：脇田 定典（日本医師会救急救急学会（和歌山県医師会））

J-ReSS-DS4-1 Pros：現場での処置：気管挿管がよい
竹田 豊（兵庫県立加古川医療センター 救命救急センター）

J-ReSS-DS4-2 Cons：現場での処置：声門上バイパスでよい
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
一柳 保（日本医師会救急救急学会（橋本・伊豆地域救急医療指令センター））

J-ReSS-DS4-4 Cons：現場での処置：最低限のみでよい
畑中 哲生（救急救急九州研修所）

J-ReSS-DS 休憩

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：野々本 索（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
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に関連する
岡田 通平（京都大学大学院医学研究科生命科学分野）

J-ReSS-P-2 外傷性心停止例の搬送時間と生存率の検討
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 湧水内での傷病者に対して一般的な救助者が行う胸部圧迫の質について
一柳 保（橋本・伊豆地域救急医療指令センター／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？
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
花田 裕之（弘前大学附属救急医療センター）
Many roads lead to atrial fibrillation! – Abnormal Ca2+ handling in atrial myocytes –

Novel approaches to protect the ischemic heart: blocking the pathway to heart failure

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（都築医科大学医学研究科間際神経内科学）
座長：菊地  研（都築医科大学心臓血管内科・循環器内科 救急救護センター）

J-ReSS-SY-3 ⑧ ACS（急性冠症候群）⑨ NR（脳神経蘇生）

田原 良雄（都築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（普及教育のための策）

石見 拓（都築大学環境安全保健機構健康管理部門/健康科学センター）

J-ReSS2020
閉会挨拶

9:00-17:00
ESC-JS-Y-3  Generation of Human Disease Model for Personalized Medicine Targeting Intractable Cardiomyopathy  
Shuichiro Higo (Department of Medical Therapeutics for Heart Failure, Osaka University, Suita)

ESC-JS-Y-4  Next generation cardiology for precision medicine  
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

ESC-APSC-1  Data analytic of electronic medical record  
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  
Yoshihiro Miyamoto (Center for Cerebral and Cardiovascular Disease Information, National Cerebral and Cardiovascular Center, Suita)

ESC-APSC-3  EMR/linkage/BigData approach  
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  
Ayumu Yajima (Department of Cardiovascular Medicine, Saga University, Saga)

ESC-APSC-5  Incorporating consumer grade wearable fitness tracking into clinical research  
Khung Keong Yeo (National Heart Centre Singapore, Singapore)