Program

Thursday, 30 July

Room 1 8:30-10:30 Symposium Proposed by the JSE Academic Advisory Committee [SPP]

Autonomic tone and Arrhythmia

Chairs Hiroshi Inoue

Saiseikai Toyama Hospital, Toyama, Japan

Naohiko Takahashi

Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

SPP1 Autonomic tone and molecular electrophysiology

Katsushige Ono

Department of Pathophysiology, Oita University School of Medicine, Oita, Japan

Autonomic nerve activity and ventricular tachyarrhythmias associated with structural heart diseases

Masaomi Chinushi¹, Kenichi lijima², Akinori Sato², Daisuke Izumi², Osamu Saitoh¹, Hiroshi Furushima³, Tohru Minamino²

¹Graduate School of Health Sciences, Niigata University School of Medicine, Niigata, Japan, ²Cardiovascular Biology and Medicine Niigata University School of Medeicine, Niigata, Japan, ³Furushima Clinic, Niigata, Japan

Role of Autonomic Nervous Activity in Patients with Idiopathic Ventricular Fibrillation and Long QT Syndrome

Koichi Mizumaki¹, Kunihiro Nishida², Naoya Kataoka², Yosuke Nakatani², Tamotsu Sakamoto², Yoshiaki Yamaguchi², Hiroshi Inoue³

¹Clinical Research and Ethics Center, University of Toyama, Toyama, Japan, ²Second Department of Internal Medicine, Graduate School of Medicine, University of Toyama, Toyama, Japan, ³Saiseikai Toyama Hospital, Toyama, Japan

SPP4 Atrial Fibrillation and Autonomic Function: Significance of GP Ablation

Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

Pathophysiological Mechanisms on the Relationship Between Autonomic Nervous System and Arrhythmia in Obstructive Sleep Apnea Syndrome

Yu-ki Iwasaki

Kenzo Hirao

The Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan

SPP6 Prevention of Sudden Cardiac Death Using β Blockers

Takanori Ikeda

Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo, Japan

Room 1 10:30-11:30 Kazuo Yamada Invited Lecture [KYL]

Autonomic neuromodulation for refractory heart failure and arrhythmias

Chair Youichi Kobayashi

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

KYL Autonomic neuromodulation for refractory heart failure and arrhythmias

Kenji Sunagawa

Department of Therapeutic Regulation of Cardiovascular Homeostasis, Center for Disruptive Cardiovascular Medicine, Kyushu University, Fukuoka, Japan

Room 1 11:50-12:50 Luncheon Seminar13 [LS13]

Impacts of NOACs Introduction on the Clinical Treatment and Outcomes of NVAF Patient in the Cardiovascular Institute

Chair Ken Okumura

Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan

LS13-1 Impacts of NOACs Introduction on the Clinical Treatment and Outcomes of NVAF Patient in the Cardiovascular Institute

Takeshi Yamashita

The Cardiovascular Institute, Tokyo, Japan

(DAIICHI SANKYO COMPANY, LIMITED)

Room 1 14:10-15:10 Koshichiro Hirosawa Memorial Lecture [KHL]

Cardiomyopathies Up-to-date: Lesson from the Patients and for the Future

Chair Satoshi Ogawa

International University of Health and Welfare Mita Hospital, Tokyo, Japan

KHL Cardiomyopathies Up-to-date: Lesson from the Patients and for the Future

Michiaki Hiroe

The Department of Cardiology, National Center for Global Health and Medicine, Tokyo, Japan

Room 1 15:10-16:40 Symposium6 [SP6]

Patient Management of Pain and Anxiety during Electrophysiological Procedures as Device Implantation or Catheter Ablation

Chairs Yoshimi Inagaki

Department of Anesthesiology and Critical Care Medicine, Tottori University Faculty of Medicine, Tottori, Japan

Yasushi Miyauchi

Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan

SP6-1 Key Note Lecture: What is sedation?

Yoshimi Inagaki

Department of Anesthesiology and Critical Care Medicine, Tottori University Faculty of Medicine, Tottori, Japan

SP6-2 Balance between patient immobility and risk for apnea during intraprocedural sedation

Akinori Sairaku¹, Yukihiko Yoshida², Yukiko Nakano¹, Yasuki Kihara¹

¹Department of Cardiology, Hiroshima University, Hiroshima, Japan, ²Department of Cardiology, Nagoya Daini Red Cross Hospital, Aichi, Japan

SP6-3 Deep Sedation Using Propofol under Meticulous Respiratory Management for NavX-guided Atrial Fibrillation Ablation

Takanori Yamaguchi¹, Takeshi Tsuchiya¹, Akira Fukui¹, Yasutsugu Nagamoto², Chie Yasuoka³, Naohiko Takahashi⁴

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Saga-ken Medical Centre Koseikan, Saga, Japan, ³Omura Municipal Hospital Cardiovascular Center, Nagasaki, Japan, ⁴Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

SP6-4 Airway support with pediatric intubation tube in adult atrial fibrillation patients: A novel method to prevent heart movement during catheter ablation under continuous-deep-sedation

Masateru Takigawa¹, Atsushi Takahashi¹, Taishi Kuwahara¹, Kenji Okubo¹, Yasuaki Tanaka¹, Kazuya Yamao¹, Emiko Nakashima¹, Jun Nakajima¹, Katsumasa Takagi¹, Mitsuaki Isobe², Kenzo Hirao³

¹Cardiovascular Center, Yokosuka Kyosai Hospital, Kanagawa, Japan, ²Department of Cardiology, Tokyo Medical and Dental University, Tokyo, Japan, ³Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

SP6-5 Simple Minimal Sedation for Catheter Ablation of Atrial Fibrillation Using Hydroxyzine Pamoate and Pentazocine

Shinsuke Miyazaki, Makoto Araki, Noboru Ichihara, Takamitsu Takagi, Jin Iwasawa, Akio Kuroi, Hiroaki Nakamura, Hiroshi Taniguchi, Hitoshi Hachiya, Yoshito Iesaka *Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan*

Room 1 18:00-21:00 Educational Course2 [EC2]

コメディカルのための心電図レッスン~基本から理解する~

座長 井上 博

富山県済生会富山病院

池田隆徳

東邦大学医学部内科学講座循環器内科学分野

EC2-1 12誘導心電図の基本的な読み方

中野由紀子

広島大学病院循環器内科

EC2-2 ホルター心電図を用いた心電図診断と危険な不整脈のスクリーニング

髙木雅彦

大阪市立大学大学院医学研究科循環器内科学

EC2-3 ペースメーカー植込み例における心電図の理解

吉田明弘

北幡磨総合医療センター循環器内科

(フクダ電子株式会社)

Room 2 8:30-10:00 Panel Discussion4 [PD4]

Total Management of Catheter Ablation for Persistent Atrial Fibrillation

Chairs Kazutaka Aonuma

Cardiovascular Division, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Ibaraki, Japan

Kazuo Matsumoto

Higashimatsuyama Medical Association Hospital, Saitama, Japan / Cardiology Department of International Medical Center Saitama Medical University, Saitama, Japan

PD4-1 Low Amplitude Fibrillatory Waves on the Surface ECG Predicts Nonresponders of Ablation in Patients with Long-standing Persistent Atrial Fibrillation

Yoshiyuki Hama¹, Yuji Matsudo¹, Taishi Kuwahara², Noriko Eguchi¹, Haruka Fujimaki¹, Ikuto Terabayashi¹, Kohei Kamishita¹, Bi Katsu¹, Shuzo Tanaka¹, Norimasa Tonoike¹, Kyokushi Hou¹, Tai Sekine¹, Masashi Yamamoto¹, Toshiharu Himi¹

¹Division of Cardiology, Kimitsu Chuo Hospital, Chiba, Japan, ²Cardiovascular Center, Yokosuka Kyousai Hospital, Kanaqawa, Japan

PD4-2 Selection of optimal strategy and candidates amenable to catheter ablation for long-standing persistent atrial fibrillation according to the response of electrical cardioversion

Atsushi Takahashi¹, Taishi Kuwahara¹, Katsumasa Takagi¹, Kenji Okubo¹, Yasuyuki Tanaka¹, Masateru Takigawa¹, Jun Nakajima¹, Emiko Nakashima¹, Kazuo Yamao¹, Kenzo Hirao², Mitsuaki Isobe²

¹Cardiovascular Center, Yokosuka Kyosai Hospital, Kanagawa, Japan, ²Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

PD4-3 Indication and Follow-up of Catheter Ablation for Persistent Atrial Fibrillation from the Perspective of Left Atrial Function; A Novel Index of Echocardiography

Takahiko Nagase¹, Ritsushi Kato¹, Yoshifumi Ikeda¹, Yuichiro Shiki¹, Yoshihiro Yamada¹, Sayaka Tanaka¹, Shirou Iwanaga¹, Shigeyuki Nishimura¹, Kazuo Matsumoto²

¹Department of Cardiology, Saitama Medical University, International Medical Center, Saitama, Japan, ²Higashimatsuyama Medical Association Hospital, Saitama, Japan

PD4-4 Left Atrial Linear Ablation in Patients with Persistent Atrial Fibrillation

Seiichiro Matsuo, Teiichi Yamane, Kenichi Tokutake, Kenichi Yokoyama, Mika Hioki, Ryohsuke Narui, Shin-ichi Tanigawa, Michifumi Tokuda, Seigo Yamashita, Keiichi Inada, Kenri Shibayama, Satoru Miyanaga, Kenichi Sugimoto, Michihiro Yoshimura

The Department of Cardiology, The Jikei University School of Medicine, Tokyo, Japan

PD4-5 The Efficacy of Epicardial Adipose Tissue Ablation Based on the Dominant Frequency of Non-paroxysmal Atrial Fibrillation

Koji Kumagai, Masahiro Nakano, Daisuke Kutsuzawa, Yoshiaki Yamaguchi, Kentaro Minami, Manabu Shimizu, Toshiaki Yano, Takehito Sasaki, Kohki Nakamura, Shigeto Naito, Shigeru Oshima

Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan

PD4-6 Characteristics of refractory persistent AF patients after ganglionated plexus plus antral PV isolation based approach

Kohei Yamashiro, Daisuke Yoshimoto, Mitsuaki Ito, Kazuto Kujira, Yuichiro Sakamoto *Cadiovascular Medicine, Toyohashi Heart Center, Aichi, Japan*

Room 2 10:00-11:30 Symposium7 [SP7]

Approach to Non-responder of CRT ★

Chairs Toshiyuki Ishikawa

Department of Cardiovascular Medicine, Yokohama City University School of Medicine, Kanagawa, Japan

Hisashi Yokoshiki

Department of Cardiovascular Medicine, Hokkaido University Hospital, Hokkaido, Japan

SP7-1 Key Note Lecture: Approach to Non-Responders of CRT

Bernard Thibault

Montreal Heart Institute, Canada

SP7-2 CRT non-responder can decrease by appropriate patient selection along current guidelines

Toshiko Nakai¹, Yukitoshi Ikeya¹, Sonoko Ashino¹, Kazuki Iso¹, Keiko Takahashi¹, Naoko Sasaki¹, Kazumasa Sonoda¹, Rikitake Kogawa¹, Koichi Nagashima¹, Masaaki Nagashima², Sayaka Kurokawa¹, Yasuo Okumura¹, Kimie Ohkubo¹, Toshiyuki Ohya¹, Satoshi Kunimoto¹, Yuji Kasamaki¹, Ichiro Watanabe¹, Atsushi Hirayama¹

¹Department of Medicine, Division of Cardiology, Nihon University School of Medicine, Tokyo, Japan, ²Division of Laboratory Medicine, Department of Pathology and Microbiology, Nihon University School of Medicine, Tokyo, Japan

Presence of mitral regurgitation at mid-term follow-up predicts rehospitalization due to worsening heart failure in non-responder patients to cardiac resynchronization therapy

Hitoshi Minamiguchi, Hiroya Mizuno, Shozo Konishi, Kentaro Ozu, Tomoaki Nakano, Tomohito Ohtani, Yuji Okuyama, Osamu Yamaguchi, Yasushi Sakata

Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Osaka, Japan

SP7-4 Programming and pharmacological optimization for long-term structural reverse remodeling in patients with cardiac resynchronization therapy

Ikutaro Nakajima, Takashi Noda, Mitsuru Wada, Kohei Ishibashi, Koji Miyamoto, Hideo Okamura, Takeshi Aiba, Shiro Kamakura, Kengo Kusano

Division of Cardiology, National Cerebral and Cardiovascular Center, Osaka, Japan

SP7-5 Ventricular tachyarrhythmias of implantable cardioverter defibrillator patients who are upgraded to cardiac resynchronization therapy increase or decrease in response?

Junjiroh Koyama, Yasuaki Tanaka, Takuo Tsurugi, Hideharu Okamatsu, Masataka Kajiwara, Toshihiro Honda

Division of Cardiology, Saiseikai Kumamoto Hospital Cardiovascular Center, Kumamoto, Japan

Room 2 11:50-12:50 Luncheon Seminar14 [LS14]

Focus on Apixaban: Stroke Prevention Up-To-Date Strategy for AF Patients with HF in Elderly Patients *

Chair Hideo Mitamura

Tachikawa Hospital, Federation of National Public Service Personnel Mutual Aid Association, Tokyo, Japan

LS14-1 Heart Failure and Atrial Fibrillation: Lessons From Registries and Clinical Trials

Hiroyuki Tsutsui

Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

LS14-2 New Data on Stroke Prevention in AF Patients with Heart Failure - Focus on Apixaban

John J V McMurray

Medical Cardiology in the Institute of Cardiovascular and Medical Sciences, University of Glasgow, UK

(Bristol-Myers K.K. / Pfizer Japan Inc.)

Room 2 14:10-17:10 Oklahoma Ablation Course Revisited Educational Lectures for Young EP Doctors [OAC]



Director

Warren M. Jackman

University of Oklahoma Health Sciences Center, USA

Co-Directors

Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

Kazuo Matsumoto

Higashimatsuyama Medical Association Hospital, Saitama, Japan / Cardiology Department of International Medical Center Saitama Medical University, Saitama, Japan

Opening Remarks

Johnson & Johnson K.K.

Session 1

Chair Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

OAC1 Lecture 1 Radiofrequency Catheter Ablation: Lessons on Lesions

Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

OAC2 Lecture 2 WPW Syndrome Ablation

Warren M. Jackman

University of Oklahoma Health Sciences Center, USA

OAC3 Lecture 3 AVNRT Ablation

Warren M. Jackman

University of Oklahoma Health Sciences Center, USA

Session 2

Chair Kazuo Matsumoto

Higashimatsuyama Medical Association Hospital, Saitama, Japan / Cardiology Department of International Medical Center Saitama Medical University, Saitama, Japan

OAC4 Lecture 4 Electrophysiological and anatomical substrates of verapamilsensitive idiopathic left ventricular tachycardia

Yoshinori Kobayashi

Department of Cardiology, Tokai University Hachioji-Hospital, Tokyo, Japan

OAC5 Lecture 5 Tips and Tricks for VT Ablation: Substrate Mapping, Entrainment, and Pacemapping

Kyoko Soejima

The Second Department of Internal Medicine, Kyorin University Hospital, Tokyo, Japan

OAC6 Lecture 6 Prospective Study to Test the Ability to Create RF Lesions at Predicted Depth and Diameter Using a New Formula Incorporating Contact Force, Radiofrequency Power and Application Time (Force-Power-Time Index) in the Beating Canine Heart

Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

Closing Remarks

Warren M. Jackman

University of Oklahoma Health Sciences Center, USA

(Johnson & Johnson K.K.)

Room 3 7:45-8:30 Morning Seminar1 [MS1]

Epicardial VT ablation: When and How?

Chair Youichi Kobayashi

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

MS1-1 Epicardial VT ablation: When and How?

Seiji Fukamizu

Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo, Japan

(Novartis Pharma K.K.)

Room 3 8:30-10:00 Symposium8 [SP8]

Noninvasive Test for Prediction of Sudden Cardiac Death —Conventional Methods and Its New Application— ★

Chairs Masatake Fukunami

Osaka General Medical Center, Osaka, Japan

Koichiro Yoshioka

Tokai University School of Medicine, Cardiology, Kanagawa, Japan

Key Note Lecture: Combined Use of Noninvasive Risk Stratification Tools for Sudden Cardiac Death

Takanori Ikeda

Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo, Japan

SP8-1 Circadian Variation, Rate-dependent Dynamics of Late Potential(LP) in Sarcoidosis, ARVC, IVF, Brugada Syndrome Evaluated by SAECG Using 24h-HolterECG

Mutsuko Sangawa, Hiroshi Morita, Motomi Tachibana, Koji Nakagawa, Nobuhiro Nishii, Satoshi Nagase, Kazufumi Nakamura, Hiroshi Ito

Department of Cardiovascular Medicine, Okayama University, Okayama, Japan

SP8-2 Prevalence and Prognostic Significance of Late Potentials in Patients with Sarcoidosis

Kenji Yodogawa, Yuhi Fujimoto, Kanako Hagiwara, Eiichiro Oka, Kenta Takahashi, Ippei Tsuboi, Hiroshi Hayashi, Yu-ki Iwasaki, Meiso Hayashi, Yasushi Miyauchi, Wataru Shimizu

Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan

SP8-3 Prognostic significance of ventricular late potential for prediction of recurrent hospitalization events in patients with acute coronary syndrome

Mari Amino¹, Koichiro Yoshioka¹, Mari Nakamura¹, Eiichi Watanabe², Daisuke Fujibayashi¹, Shigetaka Kanda¹, Sadaki Inokuchi³, Yoshinori Kobayashi¹, Teruhisa Tanabe⁴, Yuji Ikari¹

¹Department of Cardiovascular Medicine, Tokai University School of Medicine, Kanagawa, Japan, ²Department of Cardiology, Fujita Health University School of Medicine, Aichi, Japan, ³Department of Emergency Critical Care Medicine, Tokai University School of Medicine, Kanagawa, Japan, ⁴Ebina General Hospital Cardiovascular Center, Kanagawa, Japan

SP8-4 Spatial distribution of the late gadolinium enhancement on cardiac MRI strongly affects maximal T-wave alternans sites on the 12-lead Holter ECG in hypertrophic cardiomyopathy

Naka Sakamoto, Nobuyuki Sato, Eitaro Sugiyama, Yasuko Tanabe, Yuichiro Kawamura, Naoyuki Hasebe

The Department of Cardiology, Asahikawa Medical University, Hokkaido, Japan

Patients with implantable cardioverter defibrillator at risk for ventricular tachyarrhythmias: Identification by ambulatory electrocardiogrambased frequency domain T-wave alternans in comparison with heart rate variability and heart rate turbulence

Masato Kawasaki, Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Atsushi Kikuchi, Takumi Kondo, Masashi Ishimi, Hideyuki Hakui, Tatsuhisa Ozaki, Yoshihiro Sato, Masahiro Seo, Masatake Fukunami Division of Cardiology, Osaka General Medical Center, Osaka, Japan

Room 3 10:00-11:30 Panel Discussion5 [PD5]

The Role of Imaging Modalities in the EP Laboratory

Chairs Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

Ritsushi Kato

Department of Cardiology, Saitama Medical University, International Medical Center, Saitama, Japan

PD5-1 Pre-procedural Assessment of Atrial and Ventricular Tissue Scar Identified by Delayed Enhancement MRI for Catheter Ablation

Yasuo Okumura, Ichiro Watanabe, Kazumasa Sonoda, Koichi Nagashima, Naoko Sasaki, Rikitake Kogawa, Keiko Takahashi, Kazuki Iso, Satoshi Kunimoto, Kimie Ohkubo, Toshiko Nakai, Atsushi Hirayama

Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan

PD5-2 Accuracy of delayed enhancement magnetic resonance imaging detecting the reconduction site in 2nd AF ablation

Kunihiko Kiuchi¹, Katsunori Okajima¹, Akira Shimane¹, Kiminobu Yokoi¹, Jin Teranishi¹, Kousuke Aoki¹, Misato Chimura¹, Takayoshi Toba¹, Shogo Ohishi¹, Takahiro Sawada¹, Yasue Tsukishiro¹, Tetsuari Onishi¹, Seiichi Kobayashi¹, Shinichiro Yamada¹, Yasuyo Taniguchi¹, Yoshinori Yasaka¹, Hiroya Kawai¹, Kazushi Ikeuchi², Yutaka Shigenaga², Takayuki Ikeda²

¹Department of Cardiology, Himeji Cardiovascular Center, Hyogo, Japan, ²Department of Laboratory and Radiology, Himeji Cardiovascular Center, Hyogo, Japan

PD5-3 Novel evaluation method with delayed-enhancement magnetic resonance imaging for assessment of lesions after cryothermal balloon ablation

Tsuyoshi Mishima¹, Koji Miyamoto¹, Yoshinari Morita², Mitsuru Wada¹, Ikutaro Nakajima¹, Kohei Ishibashi¹, Hideo Okamura¹, Takashi Noda¹, Takeshi Aiba¹, Shiro Kamakura¹, Kengo Kusano¹

¹The Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ²The Department of Radiology, National Cerebral and Cardiovascular Center, Osaka, Japan

PD5-4 Integration of MDCT-Imaged Myocardial Fatty Infiltration into 3D Navigation System to Guide Ventricular Tachycardia Ablation in Arrhythmogenic Right Ventricular Cardiomyopathy

Yuki Komatsu¹, Michel Haissaguerre², Pierre Jais²

¹Cardiology Division, Yokohama Rosai Hospital, Kanagawa, Japan, ²Department of Cardiac Electrophysiology, Hopital Cardiologique du Haut-Leveque, CHU Bordeaux, Bordeaux, France

PD5-5 Development of a Novel Real-Time Phase Mapping System Using in Silico Technique for Identifying Unstable Rotors in Human Atrial Fibrillation

Takashi Ashihara¹, Tomoya Ozawa¹, Takeshi Tsuchiya², Takanori Yamaguchi³, Akira Fukui², Ryo Haraguchi⁴, Shin Inada⁴, Kazuo Nakazawa⁴, Minoru Horie¹

¹Department of Cardiovascular Medicine, Shiga University of Medical Science, Shiga, Japan, ²EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ³Department of Cardiology and Clinical Examination, Oita University, Oita, Japan, ⁴National Cerebral and Cardiovascular Center, Osaka, Japan

Room 3 11:50-12:50 Luncheon Seminar15 [LS15]

Novel methods for evaluation of repolarization dynamics during 24-h Holter ECG

~QT-RR relation and AF embolism~

Chair Naohiko Takahashi

Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

LS15-1 Novel methods for evaluation of repolarization dynamics during 24-h Holter ECG

~QT-RR relation and AF embolism~

Akira Fujiki

Shizuoka Heart Rhythm Clinic, Shizuoka, Japan

(FUKUDA DENSHI CO., LTD)

Room 3 14:10-15:10 Debate (Medical Professionals) 2 [MD2]

デバイスの遠隔診断の普及は必要である

座長 西井伸洋

岡山大学大学院医歯学総合研究科循環器内科

MD2-1 賛成

伊藤朋晃

小倉記念病院検査技師部工学課

MD2-2 反対

堺 美郎

熊本済生会病院臨床工学部

Room 3 15:10-16:10 Oral Presentation (Medical Professionals) [M3]

アブレーション2(メディカルプロフェッショナル)

座長 山部浩茂

熊本大学大学院生命科学研究部 循環器内科学

岡本陽地

倉敷中央病院心臓病センター 循環器内科

M3-1 Ensite NavXにおける大動脈リファレンス留置部位の比較検討

官野高明¹, 齋藤直樹², 久次米真吾², 安藤元素², 飯田大輔², 山家 謙², 竹中 創², 郡司尚玲³ ¹緑成会横浜総合病院臨床工学科, ²緑成会横浜総合病院循環器, ³勤医協中央病院循環器科

M3-2 EnSite Velocity™使用中のドリフト軽減に対するNavX体表面電極キットLarge の有用性

根津知行¹,山田将志¹,宮城恵子¹,三原由裕¹,千葉晶奈¹,沼里淳平¹,小笠原洋子³,國井民夫³,乙井亮太³,林 直人¹.円城寺由久²

¹大崎病院東京ハートセンター臨床工学室,²大崎病院東京ハートセンター循環器内科不整脈診療部,³セント・ジュード・メディカル株式会社

M3-3 心房細動アブレーション後の複数起源のPACに対してEnSite Velocityシステムの Multi Morphology Mappingが有用だった 1 例

中西理恵子¹, 内藤雅起², 藤本 源², 平井香衣子², 荻田 祐¹, 田仲直弘¹, 上村義昌¹, 布元孝典¹, 寺田賢二¹, 土肥直文²

¹奈良県西和医療センター診療部臨床工学室, ²奈良県西和医療センター

M3-4 心房頻拍症例時のElectro-anatomical mappingにおけるReference電極の評価

長瀬弘行¹, 間瀬健太朗¹, 又野暢天¹, 林 洋佑¹, 奥村一史¹, 大坪克浩¹, 新田功児¹, 浅井 徹², 志水清和²

1一宮市立市民病院臨床工学室,2一宮市立市民病院循環器内科

M3-5 心房細動に対するボックス隔離術後の"Gate map"の有効性

森末明彦¹,中下清文¹,峠崎純一¹,藤井美弥¹,新井翔太¹,木下卓也¹,原 幹²,城日加里²,梶原賢太²,新田和宏²,梶原真二²,小野裕二郎²

¹独立行政法人国立病院機構東広島医療センター医療機器管理室,²独立行政法人国立病院機構東広島医療センター循環 器内科

Room 3 16:10-17:20 Oral Presentation (Medical Professionals) [M4]

遠隔モニタリング(メディカルプロフェッショナル)

座長 栗田康生

国際医療福祉大学大学院

久保元基

心臓病センター榊原病院 循環器内科

M4-1 ケアリンクエクスプレスが外来診療に与える影響〜患者の待ち時間短縮の試みから 見えてきたこと〜

菅 令子

鳥取県立中央病院看護局

M4-2 遠隔モニタリングのバックアップ作動によるアラート経験

M4-3 呼吸状態の遠隔モニタリングの重要性

藤原麻未¹,山本真由美²,越川真行²,市川智英²,祖父江嘉洋²,奥田健太郎²,原田将英²,辻川圭亮¹,山本 賢¹,渡邉英一²,尾崎行男¹

¹藤田保健衛生大学病院臨床検査部。²藤田保健衛生大学循環器内科

M4-4 ペースメーカ植込み患者の遠隔モニタリングにおける心室性頻拍エピソードの意義

早坂秀幸¹, 草浦理恵¹, 安田 徹¹, 百瀬直樹¹, 林 武邦², 菅原養厚², 三橋武司² ¹自治医科大学附属さいたま医療センター、²自治医科大学附属さいたま医療センター循環器科

M4-5 小児患者の遠隔モニタリングシステムの現状と課題

丸川史織¹,井上完起²,岡崎真紀子³,増田愛子¹,前田友未¹,矢川真弓子²,上田知実⁴,和田直樹⁵,嘉川忠博⁴,安藤 誠⁵,辻 孝子¹,三浦稚郁子¹,朴 仁三⁴,高橋幸宏⁵,梅村 純²,友池仁暢² 「日本心臓血圧研究振興会附属榊原記念病院看護部,²日本心臓血圧研究振興会附属榊原記念病院臨床工学技士,⁴日本心臓血圧研究振興会附属榊原記念病院临床工学技士,⁴日本心臓血圧研究振興会附属榊原記念病院小児循環器内科,⁵日本心臓血圧研究振興会附属榊原記念病院小児循環器外科

M4-6 植込み型除作動器の抗頻拍ペーシングに起因した心室頻拍加速現象について

木田博太¹, 古川善郎², 菊池佳峰¹, 川崎真佐登², 山田貴久², 福並正剛² 大阪府立急性期・総合医療センター臨床工学室、²大阪府立急性期・総合医療センター心臓内科

Room 4

8:30-9:30 Final Selection Committee for the Academic Excellence Award of the JSE [AW2]

Committee Chair

Akiko Chishaki

Faculty of Medical Sciences Department of Health Sciences, Kyushu University, Fukuoka, Japan

Committee Members

Atsushi Sugiyama

Department of Pharmacology, Toho University, Tokyo, Japan

Naohiko Takahashi

Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

Hiroshi Tada

Department of Cardiovascular Medicine, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

Kaoru Tanno

Department of Cardiology, Showa University Koto Toyosu Hospital, Tokyo, Japan

Nobuhisa Hagiwara

Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan

Eiichi Watanabe

Department of Cardiology, Fujita Health University, Aichi, Japan

AW2-1 Nonsense-Mediated mRNA Decay due to a *CACNA1C* Splicing Mutation in a Patient with Brugada Syndrome

Megumi Fukuyama¹, Seiko Ohno¹, Qi Wang¹, Takeshi Shirayama², Hideki Itoh¹, Minoru Horie¹

¹Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan, ²Division of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan

AW2-2 Inhibition of N-type Ca²⁺ Channels Ameliorates an Imbalance in Cardiac Autonomic Nerve Activity and Prevents Lethal Arrhythmias in Mice with Heart Failure

Yuko Yamada^{1,2}, Hideyuki Kinoshita^{1,3}, Koichiro Kuwahara^{1,3}, Yasuaki Nakagawa^{1,3}, Yoshihiro Kuwabara^{1,4}, Takeya Minami^{1,3}, Chinatsu Yamada^{1,3}, Junko Shibata^{1,3}, Kazuhiro Nakao^{1,2,3}, Kosai Cho^{3,5}, Yuji Arai⁶, Shinji Yasuno⁴, Toshio Nishikimi^{1,3}, Kenji Ueshima⁴, Shiro Kamakura⁷, Motohiro Nishida⁸, Shigeki Kiyonaka⁹, Yasuo Mori⁹, Takeshi Kimura³, Kenji Kangawa^{2,10}, Kazuwa Nakao^{1,11}

¹Department of Medicine and Clinical Science, Kyoto University Graduate School of Medicine, Kyoto, Japan, ²Department of Peptide Research, Kyoto University Graduate School of Medicine, Kyoto, Japan, ³Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan, ⁴Department of EBM Research, Institute for Advanced of Clinical and Translational Science, Kyoto University Hospital, Kyoto, Japan, ⁵Department of Primary Care and Emergency Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan, ⁶Department of Bioscience and Genetics, National Cerebral and Cardiovascular Center Research, Institute, Osaka, Japan, ⁷Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ⁸Division of Cardiocirculatory Signaling, Okazaki Institute for Integrative Bioscience(National Institute for Physiological Sciences), National Institute for Natural Sciences, Aichi, Japan, ⁹Department of Synthetic Chemistry and Biological Chemistry, Kyoto University Graduate School of Engineering, Kyoto, Japan, ¹⁰Department of Biochemistry, National Cerebral and Cardiovascular Center Research, Institute, Osaka, Japan, ¹¹Medical Innovation Center, Kyoto University Graduate School of Medicine, Kyoto, Japan

AW2-3 Long-Term Follow-Up after Catheter Ablation of Paroxysmal Atrial Fibrillation: The Incidence of Recurrence and Progression of Atrial Fibrillation

Masateru Takigawa^{1,3,4}, Atsushi Takahashi¹, Taishi Kuwahara¹, Kenji Okubo¹, Yoshihide Takahashi¹, Yuji Watari¹, Katsumasa Takagi¹, Tadashi Fujino¹, Shigeki Kimura¹, Hiroyuki Hikita¹, Makoto Tomita², Kenzo Hirao³, Mitsuaki Isobe⁴

¹Cardiovascular Center, Yokosuka Kyosai Hospital, Kanagawa, Japan, ²Clinical Research Center, Tokyo Medical and Dental University, Tokyo, Japan, ³Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan, ⁴Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

AW2-4 Electrocardiographic Parameters and Fatal Arrhythmic Events in Patients with Brugada Syndrome: Combination of Depolarization and Repolarization Abnormalities

Koji Tokioka¹, Kengo F. Kusano², Hiroshi Morita¹, Daiji Miura¹, Nobuhiro Nishii¹, Satoshi Nagase¹, Kazufumi Nakamura¹, Kunihisa Kohno¹, Hiroshi Ito¹, Tohru Ohe³

¹Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Okayama, Japan, ²Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ³Sakakibara Heart Institute of Okayama, Okayama, Japan

Room 4 9:30-11:30 JHRS-JSE-EHRA Joint Symposium [JEJ]

New Technology Ablation ★

Chairs Pierre Jais

University of Bordeaux, France

Ken Okumura

Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan

JEJ1 One-year clinical outcome after pulmonary vein isolation using the second-generation 28mm cryoballoon

Andreas Metzner

Asklepios Klinik St. Georg, Germany

JEJ2 Cryoballoon ablation for Japanese patients: Preliminary reports from Japanese PMS

Teiichi Yamane, Seiichiro Matsuo, Ken-ichi Tokutake, Ken-ichi Yokoyama, Ryosuke Narui, Mika Kato, Michifumi Tokuda, Michihiro Yoshimura

Department of Cardiology, Jikei University School of Medicine, Tokyo, Japan

JEJ3 Catheter ablation guided by cardiac MRI

Christopher Piorkowski

Heart Center Dresden University, Germany

JEJ4 Catheter ablation using photodynamic therapy

Seiji Takatsuki, Takehiro Kimura, Keiichi Fukuda

Department of Cardiology, Keio University School of Medicine, Tokyo, Japan

Room 4 11:50-12:50 Luncheon Seminar16 [LS16]

Tips and tricks of AdaptivCRT in clinical practice

Chair Yukihiko Yoshida

Cardiovascular Center, Nagoya Daini Red Cross Hospital, Aichi, Japan

LS16-1 Tips and tricks of AdaptivCRT in clinical practice

Takashi Noda

Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

(Medtronic Japan Co., Ltd.)

Room 4 14:10-15:10 Sweets Seminar3 [TS3]

The Current Situation of Diagnostic Care Pathways in Unexplained Syncope ★

Chair Haruhiko Abe

Department of Heart Rhythm Management, University of Occupational and Environment Health, Fukuoka, Japan

TS3-1 To Implant? Or Not Implant?: The Current Usage of ILRs According to a Nationwide Survey of Cardiologists on Unexplained Syncope Diagnosis

Ritsuko KohnoDepartment of Heart Rhythm Management, University of Occupational and Environmental Health, Fukuoka, Japan

TS3-2 Developing an Optimal Care Pathway for Diagnosis of Unexplained Syncope

David G. Benditt

Cardiac Arrhythmia Center, Cardiovascular Division, University of Minnesota, USA

(Medtronic Japan Co., Ltd.)

Room 4 15:10-16:40 JHRS-JSE-JACR Joint Symposium [JAJ]

Arrhythmia and Cardiac Rehabilitation—Evidence and Future Perspective of Exercise Therapy—

Chairs Youichi Kobayashi

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

Akira Yamashina

Department of Cardiology, Tokyo Medical University, Tokyo, Japan

JAJ1 Relation of physical activity to risk of atrial fibrillation

Mikiko Nakagawa, Takanori Yamaguchi, Naohiko Takahashi Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

How to deal with the problems during cardiac rehabilitation and to maximize its effects in the patients with ICD or CRT-D?

Takeshi Mitsuhashi, Nahoko Ikeda, Yoshitaka Sugawara, Shin-ichi Momomura Cardiovascular Medicine, Saitama Medical Center, Jichi Medical University, Saitama, Japan

JAJ3 Beneficial effects of exercise-based cardiac rehabilitation for long-term prognosis in patients with device implantation

Shinji Koba¹, Mitsuharu Kawamura¹, Miwa Kikuchi¹, Yuya Yokota¹, Fumiaki Furuyama¹, Yumi Munetsugu¹, Makoto Shoji¹, Taro Adachi¹, Taku Asano¹, Kaoru Tanno², Youichi Kobayashi¹

¹The Department of Medicine, Division of Cardiology, Showa University School of Medicine, Tokyo, Japan, ²The Department of Medicine, Division of Cardiology, Showa University Koto Toyosu Hospital, Tokyo, Japan

JAJ4 The effects of exercise training on arrhythmia: Case Presentation and literature review

Hirokazu Shiraishi, Tetsuro Hamaoka, Mikimasa Imai, Akira Kuroyanagi, Takeshi Shirayama

The Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan

Room 5 8:30-9:30 Oral Presentation [O24]

VT 4★

Chairs Yuichiro Kawamura

Health Administration Center, Asahikawa Medical University, Hokkaido, Japan

Kyoko Soejima

Department of Cardiology, Kyorin University Hospital, Tokyo, Japan

O24-1 Delayed Success Following Catheter Ablation for Premature Ventricular Complexes

Takeshi Kitamura¹, Seiji Fukamizu¹, Kiyotaka Yoshida¹, Satoshi Miyazawa¹, Iwanari Kawamura¹, Akihiro Nakada¹, Yuichi Moriyama¹, Ken Arai¹, Toshiki Kaihara¹, Rintaro Hojo¹, Yuya Aoyama¹, Kota Komiyama¹, Tamotsu Tejima¹, Mitsuhiro Nishizaki², Harumizu Sakurada³, Masayasu Hiraoka⁴

¹Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo, Japan, ²Department of Cardiology, Yokohama Minami Kyosai Hospital, Kanagawa, Japan, ³Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital, Tokyo, Japan, ⁴Toride Kitasoma Medical Center Hospital, Ibaraki, Japan

O24-2 Late LAD stenosis after Ventricular tachycardia ablation

Haruo Mitani, Manabu Moriya, Sugao Ishiwata, Minoru Ohno Cardiovascular Center Toranomon Hospital, Tokyo, Japan

Usefulness of contact force-sensing catheter for ablation of the premature ventricular complexes originating from the left ventricular papillary muscle

Eiichiro Nakagawa, Kenji Shimeno, Kanako Akamatsu, Syunsuke Kagawa, Tsukasa Matsushita, Tomotaka Yoshiyama, Astuko Fufukawa, Kei Yunoki, Yukio Abe, Ryushi Komatsu, Takahiko Naruko

Department of Cardiology, Osaka City General Hospital, Osaka, Japan

O24-4 Circadian Variation of Ventricular Tachycardia in Cardiomyopathy was Associated with Instability of Repolarization

Minoru Nodera, Hitoshi Suzuki, Masashi Kamioka, Takashi Kaneshiro, Yoshiyuki Kamiyama, Yasuchika Takeishi

Department of Cardiology and Hematology, Fukushima Medical University, Fukushima, Japan

O24-5 Arrhythmogenic Substrate in Hemorrhagic Shock-Induced Heart and Comparable Effect of Different Artificial Oxygen Carriers

Bonpei Takase, Yuko Higashimura

Department of Intensive Care Medicine, National Defense Medical College, Saitama, Japan

Room 5 9:30-10:30 Oral Presentation [O25]

VT 5

Chairs Masahiko Goya

Department of Cardiology, Tokyo Medical and Dental University, Tokyo, Japan

Hiroshi Furusho

Department of Cardiology, Kanazawa University Hospital, Ishikawa, Japan

O25-1 Estimation of the Origin of Ventricular Arrhythmia Using Synthesized 18-Lead Electrocardiography: Differentiating between the para-Hisian Region and the Right Coronary Cusp

Masahiro Nakano¹, Koji Kumagai², Shigeto Naito², Kohki Nakamura², Eri Goto², Satoru Shimizu², Toshiaki Yano², Daisuke Kutsuzawa², Yoshiaki Yamaguchi², Kentaro Minami², Taketo Sasaki², Marehiko Ueda¹, Yoshio Kobayashi¹

¹Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba, Japan, ²Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan

O25-2 Distance to the origin, not the earliness activation or pacemap, determines a cure of ventricular tachyarrhythmias: A distinct subgroup of outflow tachyarrhythmias

Kaori Hisazaki, Kenichi Kaseno, Naoki Amaya, Daisetsu Aoyama, Kanae Hasegawa, Yuichiro Shiomi, Naoto Tama, Hiroyuki Ikeda, Takehiko Sato, Yoshitomo Fukuoka, Tetsuji Morishita, Kentaro Ishida, Hiroyasu Uzui, Hiroshi Tada

Department of Cardiovascular Medicine, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

O25-3 Characteristics of idiopathic right ventricular outflow tract type ventricular arrhythmias originating from septal intramural foci

Yoshihiro Yamashina, Tetsuo Yagi, Akihiko Ishida, Yoshiaki Mibiki, Hirokazu Sato, Takashi Nakagawa, Eiji Sato, Juri Komatsu

Division of Cardiology, Sendai City Hospital, Miyagi, Japan

O25-4 Epicardial ablation in patients with drug-refractory ventricular tachycardia and structural heart diseases

Muryo Terasawa¹, Kazuhiro Satomi¹, Ken Takarada³, Yoshinao Yazaki³, Yoshinari Goseki³, Kengo Kusano², Akira Yamashina³

¹Cardiovascular Medicine Tokyo Medical University Hachiouji Medical Center, Tokyo, Japan, ²National Cerebral and Cardiovascular Center Hospital, Osaka, Japan, ³Tokyo Medical University Hospital, Tokyo, Japan

O25-5 The effectiveness and the safety of epicardial radiofrequency catheter ablation for ventricular tachycardia refractory to endocardial catheter ablation

Hiroshi Imada, Koji Fukuzawa, Akihiro Yoshida, Tomoyuki Nakanishi, Soichiro Yamashita, Akinori Matsumoto, Hiroki Konishi, Hirotoshi Ichibori, Kiyohiro Hyogo, Kenichi Hirata

Department of Internal Medicine, Division of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Hyogo, Japan

Room 5 10:30-11:30 Oral Presentation [O26]

VT 6

Chairs Kaoru Tanno

Department of Cardiology, Showa University Koto Toyosu Hospital, Tokyo, Japan

Shingo Sasaki

Department of Advanced Management of Cardiac Arrhythmias, Hirosaki University School of Medicine, Aomori, Japan

O26-1 Scar related reentrant ventricular tachycardia just below the mechanical aortic valve

Emi Nakano, Tomoo Harada, Yui Nakayama, Marika Yamada, Yasushi Takagi, Makoto Takano, Toshiyuki Furukawa, Yoshihiro Akashi

Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Kanagawa, Japan

O26-2 A case of a idiopathic narrow QRS ventricular tachycardia originating from left ventricule

Miwa Miyoshi, Hajime Saeki, Takashi Mukai, Tomoka Tabata, Yasuhiro Inui, Miho Kuramoto, Shumpei Kosugi, Masami Nakagawa, Nobuyuki Ogasawara, Yusuke Kobayashi, Shinji Hasegawa

JCHO Osaka Hospital, Osaka, Japan

O26-3 A Case Report; Prolonged Overdrive Ventricular Pacing Suppressed and Overcame Electrical Storm Associated with Myocardial Infarction

Saori Tsukuda, Keisuke Okawa, Fumi Yokohama, Tomoyuki Nishibe, Masahiro Sogo, Kazumasa Nosaka, Masahito Kajiya, Keiichi Mashima, Masayuki Doi, Kou Takeda *The Department of Cardiovascular Internal Medicine, Kagawa Prefectural Central Hospital, Kagawa, Japan*

O26-4 Efficacy of high density mapping with the multipolar catheter for recurrent ventricular premature contraction arising from aortic sinus cusp: A case report

Hiroaki Nakamura, Makoto Araki, Noboru Ichihara, Takamitsu Takagi, Jin Iwasawa, Akio Kuroi, Shinsuke Miyazaki, Hiroshi Taniguchi, Hitoshi Hachiya, Yoshito Iesaka *Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan*

O26-5 A case of ventricular fibrillation possibly associated with Brugada syndrome or anomalous aortic origin of right coronary artery from left coronary sinus

Naotaka Okamoto, Yasuyuki Egami, Nobuhiko Makino, Ryu Shutta, Masami Nishino *The Division of Cardiology, Osaka Rosai Hospital, Osaka, Japan*

Room 5 11:50-12:50 Luncheon Seminar17 [LS17]

Advancing AF Management in CRT Patients *

Chair Kengo Kusano

Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

LS17-1 Advancing AF Management in CRT Patients

Christopher Piorkowski

Department of Electrophysiology, University of Dresden-Heart Center, Dresden, Germany

(BIOTRONIK JAPAN)

Room 5 14:10-15:10 Oral Presentation [O27]

CRT 1

Chairs Akihiko Yotsukura

Department of Cardiology, Hokko Memorial Hospital, Hokkaido, Japan

Toshihiro Nakamura

Department of Cardiology, NHO Kyushu Medical Center, Fukuoka, Japan

O27-1 Difficulty of LV lead implantation to optimal posision of coronary sinus

Yoshifumi Ikeda, Ritsushi Kato, Takahiko Nagase, Yuichiro Shiki, Sayaka Tanaka, Naoko Yozawa, Shigeyuki Nishimura, Kazuo Matsumoto

The Department of Cardiology, Saitama Medical University International Medical Center, Saitama, Japan

O27-2 Inappropriate detection of intraventricular conduction delay as lead failure due to increase of the sensing integrity counter in a patient with cardiac resynchronization therapy defibrillator

Kentaro Ozu, Hitoshi Minamiguchi, Hiroya Mizuno, Shozo Konishi, Tomoaki Nakano, Tomohito Ohtani, Yuji Okuyama, Osamu Yamaguchi, Yasushi Sakata

Department of Cardiovascular Medicine Osaka University Graduate School of Medicine, Osaka, Japan

O27-3 Effect of minimized RV pacing and dynamic adaptation of AV/VV delay algorithm in cardiac resynchronization therapy: Primary experience of Adaptive CRT

Shingo Sasaki¹, Takahiko Kinjo², Yuji Ishida², Taihei Ito², Kenichi Sasaki², Daisuke Horiuchi¹, Masaomi Kimura², Ken Okumura²

¹Department of Advance Management of Cardiac Arrhythmias, Hirosaki University School of Medicine, Aomori, Japan, ²Department of Cardiology, Hirosaki University School of Medicine, Aomori, Japan

O27-4 The Impact of Cardiac Resynchronized Therapy to Dilated-Phase Hypertrophic Cardiomyopathy and The Prognostic Analysis After Implantation

Tomoaki Nakano, Hitoshi Minamiguchi, Hiroya Mizuno, Shozo Konishi, Kentaro Ozu, Tomohito Ohtani, Osamu Yamaguchi, Yuji Okuyama, Yasushi Sakata

Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Osaka, Japan

O27-5 Impact of Relative Positions of RV and LV Leads on Long-Term Prognosis for CRT-D

Hiroyuki Kato¹, Yasuya Inden¹, Tadahiro Ito¹, Yoshiaki Mizutani¹, Tomoyuki Nagao¹, Satoshi Okumura¹, Satoshi Yanagisawa¹, Toshihiko Yamamoto¹, Shinji Ishikawa¹, Naoki Yoshida¹, Makoto Hirai², Toyoaki Murohara¹

¹Department of Cardiology, Nagoya University Graduate School of Medicine, Aichi, Japan, ²Nagoya University School of Health Sciences, Aichi, Japan

Room 5 15:10-16:10 Oral Presentation [O28]

CRT 2

Chairs Takashi Kurita

Division of Cardiovascular Center, Department of Internal Medicine, Kinki University, Osaka, Japan

Tetsuyuki Manaka

Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan

O28-1 Time course of systolic and diastolic dyssynchrony assessed by gated myocardial perfusion single-photon emission computed tomography in patients undergoing cardiac resynchronization therapy

Rintaro Hojo¹, Seiji Fukamizu¹, Kiyotaka Yoshida¹, Akihiro Nakada¹, Iwanari Kawamura¹, Ken Arai¹, Toshiki Kaihara¹, Satoshi Miyazawa¹, Mikihiro Asaki¹, Takeshi Kitamura¹, Yuya Aoyama¹, Kota Komiyama¹, Tamotsu Tejima¹, Mitsuhiro Nishizaki², Masayasu Hiraoka³, Harumizu Sakurada⁴

¹The Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo, Japan, ²Yokohama Minami Kyousai Hospital, Kanagawa, Japan, ³Toride Kitasohma Medical Center Hospital, Ibaraki, Japan, ⁴Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital, Tokyo, Japan

O28-2 Early improvement of dyssynchrony after CRT will achieve a late volumetric response of the left ventricle

Tadahiro Ito, Yasuya Inden, Tomoyuki Nagao, Yoshiaki Mizutani, Satoshi Okumura, Hiroyuki Kato, Satoshi Yanagisawa, Toshihiko Yamamoto, Shinji Ishikawa, Naoki Yoshida, Masato Hirai, Toyoaki Murohara

Department of Cardiology, Nagoya University, Aichi, Japan

QRS Width of Left Ventricular Pacing in Patients with Cardiac Resynchronization Therapy

Akinori Sato¹, Naoko Ishida², So Otsuki¹, Yuki Hasegawa¹, Nobue Yagihara¹, Daisuke Izumi¹, Takahito Hayakawa², Takashi Okada², Susumu Hasegawa², Hiroshi Watanabe¹, Tohru Minamino¹

¹Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata, Japan, ²Department of Medical Engineer, Niigata University Medical and Dental Hospital, Niigata, Japan

O28-4 Long-term Use Results of Adaptive Servo-Ventilation Therapy for Severe Chronic Heart Failure Patients with Cardiac Resynchronization Therapy

Taro Adachi¹, Kaoru Tanno², Ko Ogawa¹, Yuya Nakamura¹, Akinori Ochi¹, Koichiro Inokuchi¹, Yuta Chiba¹, Shiro Kawasaki¹, Yoshimi Onishi¹, Yoshimasa Onuma¹, Yumi Munetsugu¹, Miwa Kikuchi¹, Tatsuya Onuki¹, Fumito Miyoshi¹, Norikazu Watanabe¹, Yoshino Minoura¹, Mitsuharu Kawamura¹, Taku Asano¹, Youichi Kobayashi¹

¹Department of Medicine, Division of Cardiology, Showa University School of Medicine, Tokyo, Japan, ²Division of Cardiology, Koto-Toyosu Hospital, Showa University School of Medicine, Tokyo, Japan

O28-5 Temporal bi-ventricular pacing provides practical information on issues regarding CRT implantation

Yuki Kimura, Moritoshi Funasako, Tetsuya Haruna, Takao Kato, Eisaku Nakane, Shoichi Miyamoto, Toshiaki Izumi, Moriaki Inoko

Cardiovascular Center, Kitano Hospital, The Tazuke Kofukai Medical Research Institute, Osaka, Japan

Room 5 16:10-17:20 Oral Presentation [O29]

Remote Monitoring

Chairs Eiichi Watanabe

Department of Cardiology, Fujita Health University, Aichi, Japan

Nobuhiro Nishii

The Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama, Japan

O29-1 Remote Monitoring Can Detect Asymptomatic Heart Failure Progression in Patients with Cardiac Resynchronization Therapy –Does It Improve the Outcome? –

Kentarou Okuda¹, Tomohide Ichikawa¹, Masahide Harada¹, Masayuki Koshikawa¹, Mayumi Yamamoto¹, Yoshihiro Sobue¹, Asami Fujiwara², Keisuke Tsujikawa², Masaru Yamamoto², Eiichi Watanabe¹, Yukio Ozaki¹

¹Department of Cardiology, Fujita Health University School of Medicine, Aichi, Japan, ²Joint Research Laboratory of Clinical Medicine, Fujita Health University, Aichi, Japan

O29-2 Major First Manifestation of Lead Failure is Arrhythmic Events in Patients Followed by Remote Monitoring

Nobuhiro Nishii¹, Ryo Ueoka², Akihito Miyoshi², Motoki Kubo², Hiroyasu Sugiyama², Koji Nakagawa², Satoshi Nagase², Hiroshi Morita¹, Hiroshi Ito²

¹Department of Cardiovascular Therapeutics, Okayama University Hospital, Okayama, Japan, ²Department of Cardiovascular Medicine, Okayama University Hospital, Okayama, Japan

O29-3 Usefulness of remote monitoring of epicardial leads in congenital heart disease

Tomomi Nishimura¹, Keiko Toyohara¹, Tsutomu Wada¹, Yoshimichi Kudou¹, Daiji Takeuchi¹, Tetsuyuki Manaka², Morio Shoda², Toshio Nakanishi¹

¹Department of Pediatric Cardiology, Tokyo Women's Medical University, Tokyo, Japan, ²Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan

O29-4 Invalid Cases in Remote Monitoring System at One Faculty

Yoshinao Sugai¹, Kentaro Aizawa¹, Hayato Shindo², Kohei Fukahori¹, Satoru Takeda¹, Etsuko Fushimi¹, Toshiaki Takahashi¹, Satoru Horiguchi¹, Tohru Sakata², Kazuma Tomiki¹, Noriaki Ando²

¹Department of Cardiology, JA Akita Kouseiren Hiraka General Hospital, Akita, Japan, ²Department of Medical Engineering, JA Akita Kouseiren Hiraka General Hospital, Akita, Japan

O29-5 Efficacy and safety of very long term remote monitoring for pacemaker recipients

Satoshi Kawada, Sho Tsushima, Shinpei Fujita, Tomofumi Mizuno *Cardiovascular Medicine, Fukuyama City Hospital, Hiroshima, Japan*

O29-6 Efficacy of Remote Monitoring System in Heart Failure Patients with Cardiac Implantable Electronic Device

Makoto Takano, Tomoo Harada, Yasushi Takagi, Marika Yamada, Emi Nakano, Yukako Takimura, Hisao Matsuda, Satoru Nishio, Toshiyuki Furukawa, Hidekazu Miyazaki, Naoki Matsumoto, Yoshihiro Akashi

The Department of Cardiology, St. Marianna University School of Medicine, Kanagawa, Japan

Room 5 18:30-21:00 Open Lecture [OL]

薬剤師として知っておきたい抗不整脈薬・抗凝固薬の基礎知 識

座長 上野和行

新潟薬科大学薬学部薬物動態学研究室

新 博次

日本医科大学多摩永山病院

開会の言葉

上野和行

新潟薬科大学薬学部薬物動態学研究室

OL1 抗不整脈薬:薬理作用から見た安全な使い方

栗田隆志

近畿大学医学部附属病院心臓血管センター

OL2 抗不整脈薬の薬物動態とTDMの要点

志賀 剛

東京女子医科大学循環器内科

OL3 心房細動における適切な抗凝固療法

―新規経口抗凝固薬とワルファリンの使い分け―

矢坂正弘

国立病院機構九州医療センター脳血管・神経内科

まとめ

新 博次

日本医科大学多摩永山病院

(第一三共株式会社)

Room 6 8:30-9:30 Oral Presentation [O30]

CRT 3

Chairs Keiji Yamamoto

Department of Cardiology, Saitama Medical University Hospital, Saitama, Japan

Kenji Ando

Department of Cardiology, Kokura Memorial Hospital, Fukuoka, Japan

O30-1 Impact of catheter ablation for atrial tachyarrhythmia on inappropriate shocks in patients with implantable cardioverter defibrillator and cardiac resynchronization therapy-defibrillator

Kentaro Minami, Kohki Nakamura, Shigeto Naito, Eri Goto, Daisuke Kutsuzawa, Yoshiaki Yamaguchi, Satoru Shimizu, Toshiaki Yano, Masahiro Nakano, Takehito Sasaki, Koji Kumagai, Shigeru Oshima

Gunma Cardiovascular Center, Gunma, Japan

O30-2 Lethal arrhythmic episodes and the cause of death after the implantation of CRT-P

Ikuko Togashi, Toshiaki Sato, Kyoko Soejima, Akiko Ueda, Yosuke Miwa, Satoshi Higuchi, Kyoko Hoshida, Noriko Matsushita, Yuichi Momose, Hideaki Yoshino *Department of Cardiology, Kyorin University School of Medicine, Tokyo, Japan*

O30-3 Influence of device optimization on electrocardiographic changes in cardiac resynchronization therapy

Yuko Toyoshima, Koichi Inoue, Koji Tanaka, Takafumi Oka, Nobuaki Tanaka, Yoshiyuki Orihara, Katsuomi Iwakura, Kenshi Fujii

Cardiovascular Center, Sakurabashi-Watanabe Hospital, Osaka, Japan

O30-4 Long-term Follow-up Data of Echocardiography in Patients Implanted with Cardiac Resynchronization Therapy Defibrillator

Kazunori Kashiwase, Ryohei Amiya, Masato Okada, Akio Hirata, Yasunori Ueda *Cardiovascular Division, Osaka Police Hospital, Osaka, Japan*

O30-5 A Case Report of a Successful CRT-D Implantation in a Patient with Corrected Transposition of Great Arteries; A Long Term Survival Case

Hideaki Sato, Mikio Yuhara, Masafumi Nakayama, Takashi Uchiyama *Toda Chuo General Hospital, Saitama, Japan*

Room 6 9:30-10:30 Oral Presentation [O31]

CRT 4★

Chairs Takashi Noda

Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

Ritsuko Kohno

Department of Heart Rhythm Management, University of Occupational and Environmental Health, Fukuoka, Japan

O31-1 Restoration of ventricular septal hypoperfusion by cardiac resynchronization therapy in patients with permanent right ventricular pacing

Michio Ogano¹, Yu-ki Iwasaki², Jun Tanabe¹, Kenji Yodogawa², Meiso Hayashi², Yasushi Miyauchi², Wataru Shimizu²

¹Department of Cardiovascular Medicine, Shizuoka Medical Center, Shizuoka, Japan, ²Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan

O31-2 Efficacy of Cardiac Resynchronization Therapy in Elderly Patients

Hideya Suehiro¹, Kazumasa Adachi¹, Yasutaka Hirayama¹, Takeshi Matsuura¹, Tomomi Akita¹, Yukinori Kato¹, Hiroki Takata¹, Kohei Kamemura¹, Akira Matsuura¹, Masahito Kawata¹, Susumu Sakamoto¹, Rieko Tsuboi², Kenji Fukui²

¹Division of Cardiology, Akashi Medical Center, Hyogo, Japan, ²Division of Clinical Engineering, Akashi Medical Center, Hyogo, Japan

O31-3 Can Cardiac Resynchronization Therapy be a Rescue Therapy for Inotrope-Dependent Advanced Heart Failure?

Teruhiko Imamura¹, Koichiro Kinugawa¹, Osamu Kinoshita², Kan Nawata², Minoru Ono² ¹Department of Therapeutic Strategy for Heart Failure, Graduate School of Medicine, University of Tokyo, Tokyo, Japan, ²Department of Cardiac Surgery, Graduate School of Medicine, University of Tokyo, Tokyo, Japan

O31-4 Evaluation of outcome for the timing of CRT implantation

Yoshiyuki Doi, Satoki Fukae, Takashi Ishimatsu, Shuji Arakawa, Youichi Tomichi, Hiroaki Kawano, Koji Maemura

Department of Cardiovascular Medicine, Nagasaki University Hospital, Nagasaki, Japan

O31-5 The long-term prognosis of cardiac resynchronization therapy can be predict by Body-surface QRST integral mapping

Go Haraguchi, Masatsugu Ohe, Eiichi Takii, Shogo Ito, Jun Kumanomido, Hisashi Adachi, Yoshihiro Fukumoto

Department of Internal Medicine, Division of Cardio-Vascular Medicine, Kurume University School of Medicine, Fukuoka, Japan

Room 6 10:30-11:30 Oral Presentation [O32]

Imaging 1

Chairs Hirosuke Yamaji

Heart Rhythm Center, Okayama Heart Clinic, Okayama, Japan

Kiyoshi Ohtomo

O32-1 Associations between Biatrial Total Activation Time and the Atrial Electromechanical Interval Determined by Transthoracic Echocardiography

Yoshiyuki Hama¹, Haruka Fujimaki¹, Taishi Kuwahara², Noriko Eguchi¹, Ikuto Terabayashi¹, Kohei Kamishita¹, Bi Katsu¹, Shuzo Tanaka¹, Norimasa Tonoike¹, Kyokushi Hou¹, Tai Sekine¹, Yuji Matsudo¹, Masashi Yamamoto¹, Toshiharu Himi¹

¹Division of Cardiology, Kimitsu Chuo Hospital, Chiba, Japan, ²Cardiovascular Center, Yokosuka Kyousai Hospital, Kanagawa, Japan

O32-2 The association between left atrial remodeling assessed by cardiac magnetic resonance imaging and recurrence of atrial fibrillation in patients underwent AF ablation

Yu Kumagai, Tadateru Iwayama, Takanori Arimoto, Naoaki Hashimoto, Daisuke Ishigaki, Tetsu Watanabe, Isao Kubota

Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata, Japan

O32-3 Contrast filling defect in the left atrial appendage on cardiac CT image in patients undergoing catheter ablation for atrial fibrillation: Its causative factor and interpretation

Kenichi Sasaki, Shingo Sasaki, Masaomi Kimura, Daisuke Horiuchi, Taihei Itoh, Yuji Ishida, Takahiko Kinjo, Ken Okumura

Department of Cardiology, University of Hirosaki, Aomori, Japan

O32-4 Differences in prevalence and degree of the abnormal early systolic contraction in left bundle branch block with and without prolonged QRS duration (≥150 ms)

Hideyuki Hara¹, Toyoji Kaida², Ai Horiguchi², Nobuhiro Sato², Horoshi Ito¹, Shinichi Niwano², Junya Ako²

¹Cardiology, Numazu City Hospital, Shizuoka, Japan, ²Department of Cardiovascular Medicine, Kitasato University School of Medicine, Kanagawa, Japan

O32-5 The Diagnostic Value of Positron Emission Tomography in Patients with Cardiac Sarcoidosis

Koji Higuchi¹, Hirotaka Muramoto¹, Atsushi Suzuki¹, Yuya Utsugi¹, Sawa Matsumoto¹, Keiko Tachibana¹, Takayuki Onishi¹, Isshi Kobayashi¹, Yuko Onishi¹, Shigeo Umezawa¹, Akihiro Niwa¹, Kenzo Hirao²

¹Department of Cardiology, Hiratsuka Kyosai Hospital, Kanagawa, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

Room 6 11:50-12:50 Luncheon Seminar18 [LS18]

Sleep Apnea Syndrome and Arrhythmia

Chair Kaoru Sugi

Division of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo, Japan

LS18-1 Sleep Apnea Syndrome and Arrhythmia

Chikashi Suga

Suga Clinic / Division of Cardiovascular Medicine, Saitama Medical Center, Jichi Medical University, Saitama, Japan

(Philips Respironics GK)

Room 6 14:10-15:10 Oral Presentation [O33]

Experimental Study 2

Chairs Katsushige Ono

Department of Pathophysiology, Oita University School of Medicine, Oita, Japan

Jong-kook Lee

Department of Cardiovascular Regenerative Medicine, Osaka University Graduate School of Medicine, Osaka, Japan

O33-1 Analysis of trajectry of phase singularity with spatial heterogeneity of myocardial intracellular Ca2+ signal duration

Norifusa Tachiyanagi¹, Tatsuhiko Arafune¹, Hiroo Noguchi¹, Nitaro Shibata², Takashi Ogawa³, Masatoshi Yamazaki³, Haruo Honjo³, Kaichiro Kamiya³, Akihiko Homma¹, Akio Funakubo¹

¹School of Science and Engineering, Tokyo Denki University, Tokyo, Japan, ²Shinjuku Mitsui Building Clinic, Tokyo, Japan, ³Research Institute of Environmental Medicine, Nagoya University, Aichi, Japan

O33-2 Role of impedance monitoring during Bipolar (Bi) radiofrequency ablation (RF). Observations from the experimental study

Osamu Saitoh¹, Katsuya Suzuki², Kana Oya¹, Asami Kashiwa³, Yukio Hosaka³, Hiroshi Furushima⁴, Masaomi Chinushi¹

¹Graduate School of Health Sciences, Niigata University, Niigata, Japan, ²Kido Hospital, Niigata, Japan, ³Niigata City General Hospital, Niigata, Japan, ⁴Furushima Clinic, Niigata, Japan

O33-3 Dynamical mechanisms of phase 2 early afterdepolarizations in long QT syndromes: Insights from slow-fast decomposition analysis of mathematical models for human ventricular myocytes

Yasutaka Kurata¹, Ichiro Hisatome²

¹Department of Physiology, Kanazawa Medical University, Ishikawa, Japan, ²Division of Regenerative Medicine and Therapeutics, Institute of Regenerative Medicine and Biofunction, Tottori University Graduate School of Medical Science, Tottori, Japan

O33-4 Long-term follow-up of 110 sporadic cases with arrhythmogenic right ventricular cardiomyopathy

Yoshitaka Kimura, Takashi Noda, Mitsuru Wada, Ikutaro Nakajima, Kohei Ishibashi, Koji Miyamoto, Hideo Okamura, Takeshi Aiba, Shiro Kamakura, Kengo Kusano Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

O33-5 High Density Mapping of Post-infarction Cardiomyopathy Using a Multipolar Basket Catheter in a Swine Model

Yasuaki Tanaka, Edward P. Gerstenfeld

Department of Medicine, Section of Cardiac Electrophysiology, University of California San Francisco, San Francisco, CA, USA

Room 6 15:10-16:10 Oral Presentation [O34]

Ion Channel 2★

Chairs Haruo Honjo

Research Institute of Environmental Medicine, Nagoya University, Aichi, Japan

Yoshino Minoura

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O34-1 Dose-Sensitive Relationship of an *SCN10A* Pore Mutation and Enhancer SNPs Identified in a Brugada Syndrome Family with Different Expressivity

Taisuke Ishikawa¹, Kimie Ohkubo², Ryo Yamaguchi¹, Daniel T. Harrell¹, Yukiomi Tsuji¹, Ichiro Watanabe², Naomasa Makita¹

¹Department of Molecular Physiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan, ²Department of Cardiovascular Medicine, Nihon University Graduate School of Medicine, Tokyo, Japan

O34-2 Patient-Specific Induced Pluripotent Stem-Cell Modelsfor Long QT Syndrome with the missense mutation in the *CACNA1C* gene

Takeshi Harita¹, Takeru Makiyama¹, Kenichi Sasaki¹, Suguru Nishiuchi¹, Mamoru Hayano¹, Yuta Yamamoto¹, Hirohiko Kohjitani¹, Jiarong Chen¹, Yimin Wuriyanghai¹, Yoshinori Yoshida², Seiko Ohno³, Minoru Horie³, Akihiko Shimizu⁴, Takeshi Kimura¹

¹Kyoto University Graduate School of Medicine, Department of Cardiovascular Medicine, Kyoto, Japan, ²Center for iPS Cell Research and Application, Kyoto University, Kyoto, Japan, ³Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan, ⁴Division of Cardiology, Department of Medicine and Clinical Science and Faculty of Health Sciences, Yamaguchi Graduate School of Medicine, Yamaguchi, Japan

O34-3 Meta-analysis of Short QT Syndrome discloses genotype-dependent clinical characteristics in age of manifestation and arrhythmia complications

Daniel T. Harrell¹, Takashi Ashihara², Taisuke Ishikawa¹, Andrea Mazzanti³, Kazuhiro Takahashi⁴, Yasushi Oginosawa⁵, Haruhiko Abe⁶, Koji Maemura⁷, Naokata Sumitomo⁸, Kikuya Uno⁹, Makoto Takano¹⁰, Silvia G. Priori³, Naomasa Makita¹

¹Department of Molecular Physiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan, ²Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Heart Rhythm Center, Shiga, Japan, ³Molecular Cardiology, IRCCS Salvatore Maugeri Foundation, Pavia, Italy, ⁴Department of Pediatric Cardiology, Okinawa Children's Medical Center, Okinawa, Japan, ⁵Second Department of Internal Medicine, University of Occupational and Environmental Health, Fukuoka, Japan, ⁶Department of Heart Rhythm Management, University of Occupational and Environment Health, Fukuoka, Japan, ⁷Department of Cardiovascular Medicine, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan, ⁸Department of Pediatric Cardiology, Saitama International Medical Center, Saitama, Japan, ⁹Sapporo Heart Center, Hokkaido, Japan, ¹⁰Department of Physiology, Kurume University School of Medicine, Fukuoka, Japan

O34-4 S107 rescues arrhythmogenic phenotype in a patient-specific induced stem cell-based model of catecholaminergic polymorphic ventricular tachycardia

Kenichi Sasaki¹, Takeru Makiyama¹, Yoshinori Yoshida², Yuta Yamamoto¹, Mamoru Hayano¹, Suguru Nishiuchi¹, Takeshi Harita¹, Yimin Wuriyanghai¹, Jiarong Chen¹, Tsukasa Kamakura¹, Seiko Ohno³, Minoru Horie³, Shinya Yamanaka², Takeshi Kimura¹

¹Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan, ²Kyoto University iPS Cell Research and Application, Kyoto, Japan, ³Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

O34-5 A novel ACTC1 gene mutation in a young boy with left ventricular noncompaction and lethal ventricular arrhythmias

Yoko Yoshida¹, Shuichiro Yoshida¹, Tsugutoshi Suzuki¹, Yoshihide Nakamura¹, Yukiko Hata², Naoki Nishida²

¹Department of Pediatric Electrophysiology, Osaka City General Hospital, Osaka, Japan, ²Department of Legal Medicine, Graduate School of Medicine, University of Toyama, Toyama, Japan

Room 6 16:10-17:10 Oral Presentation [O35]

Ion Channel 3

Chairs Tetsushi Furukawa

Department of Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan

Takeshi Aiba

Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

O35-1 Azelnidipine reduces cell-surface expression of Cav1.2 channel

Fumiaki Nasu¹, Kazuya Kurakami², Kuniaki Ishii¹

¹Department of Pharmacology, Yamagata University, Yamagata, Japan, ²Department of Otolaryngology and Neck Surgery, Yamagata University, Yamagata, Japan

O35-2 Phenotype and genotype of SCN5A mutation associated sick sinus syndrome in child

Daiji Takeuchi¹, Yoshiyuki Furutani¹, Tetsuyuki Manaka², Keiko Toyohara¹, Morio Shoda¹, Toshio Nakanishi¹

¹The Department of Pediatric Cardiology, Tokyo Women's Medical University, Tokyo, Japan, ²The Department of Cardiology, Tokyo women's Medical University, Tokyo, Japan

O35-3 Enhanced fast-inactivated state stability of cardiac sodium channels by a novel voltage sensor SCN5A mutation R1632C as a cause of multiple electrophysiological phenotypes

Tadashi Nakajima, Yoshiaki Kaneko, Akihiro Saito, Masaki Ota, Takafumi Iijima, Masahiko Kurabayashi

Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Gunma, Japan

O35-4 Combination of genetic markers predicts Atrial Fibrillation susceptibility in Japanese population

Lian Liu¹, Yusuke Ebana¹, Junichi Nitta², Yoshihide Takahashi³, Shinsuke Miyazaki⁴, Tetsushi Furukawa¹

¹Department of Bioinformational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, ²Saitama Red Cross Hospital, Saitama, Japan, ³National Disaster Medical Center, Tokyo, Japan, ⁴Tsuchiura Kyodo Hospital, Ibaraki, Japan

O35-5 Cardiac Manifestations of Fabry patients in early stage

Hiromi Goto, Fuji Somura, Yoshiyuki Kataoka, Dai Yamamoto *Nagoya Central Hospital, Aichi, Japan*

Room 7 8:30-9:30 Educational Lecture6 [EL6]

New Technology of CIED ★

Chair Toshiyuki Ishikawa

Department of Cardiovascular Medicine, Yokohama City University School of Medicine, Kanagawa, Japan

EL6 New Technology of CIED

Oussama Wazni Cleveland Clinic, USA

Room 7 9:30-10:30 Educational Lecture7 [EL7]

Implantable Left Ventricular Assist Device Therapy for Heart Failure—Can It Become an Destination Therapy?

Chair Hideo Mitamura

Tachikawa Hospital, Tokyo, Japan

Implantable Left Ventricular Assist Device Therapy for Heart Failure—Can it become an destination therapy?

Shunei Kyo¹, Takashi Nishimura¹, Koichiro Kinugawa², Minoru Ono³

¹Department of Cardiac Surgery, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, Tokyo, Japan, ²Department of Therapeutic Strategy for Heart Failure, University of Tokyo Hospital, Tokyo, Japan, ³Department of Cardiothoracic Surgery, University of Tokyo Hospital, Tokyo, Japan

Room 7 10:30-11:30 Educational Lecture8 [EL8]

Driving Restriction by Revision of Japan Road and Traffic Law in Patients with Cardiac Arrhythmias

Chair Masataka Sumiyoshi

Juntendo University Nerima Hospital, Tokyo, Japan

Driving Restriction by Revision of Japan Road and Traffic Law in Patients with Cardiac Arrhythmias

Haruhiko Abe

Department of Heart Rhythm Management, University of Occupational and Environmental Health, Fukuoka, Japan

Room 7 11:50-12:50 Luncheon Seminar19 [LS19]

Clinical Evaluation of a Japan-Made Irrigation Catheter

Chair Kenzo Hirao

Tokyo Medical and Dental University, Heart Rhythm Center, Tokyo, Japan

LS19-1 Clinical Evaluation of a Japan-Made Irrigation Catheter

Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

(Japan Lifeline Co., Ltd.)

Room 7 14:10-15:10 Educational Lecture9 [EL9]

Five Things to Do for Heart Failure Patients before CRT Implantation

Chair Shinichi Momomura

Cardiovascular Department, Saitama Medical Center, Jichi Medical University, Saitama, Japan

EL9 Five Things to Do for Heart Failure Patients before CRT Implantation

Yasuki Kihara

Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima, Japan

Room 7 15:10-17:10 JHRS-JSE-CDR Joint Session [CDR]

座長 髙木雅彦

大阪市立大学大学院医学研究科循環器内科学

今井克彦

広島大学病院心臓血管外科

選考委員長

石川利之

横浜市立大学医学部循環器腎臓内科学

選考委員

庄田守男

東京女子医科大学循環器内科

髙橋尚彦

大分大学医学部循環器内科・臨床検査診断学

野田崇

国立循環器病研究センター心臓血管内科

CDR1 ペースメーカ介在性頻拍 (PMT) を発症したVDDに対し、設定変更により著明な心不全改善が得られた1例

青木公也、森田裕介

セント・ジュード・メディカル株式会社

CDR2 1000件に及ぶメドトロニックの電磁干渉調査から見えてきたこと

上総寛人. 清水咲野. 伊藤寿昭. 藤本 裕

日本メドトロニック株式会社CRHF事業部

CDR3 CIEDs植込み患者の心電図モニタリング時の電磁干渉

高橋聖智」,原田 照¹,宮崎 隆² 1フクダ電子株式会社、²株式会社フィデスワン

CDR4 デバイスの環境調査における報告

相沢俊祐、馬場孝成

バイオトロニックジャパン株式会社

CDR5 ペースメーカ患者への重粒子放射線治療の影響と対策

小池 裕¹, 吉田 聡¹, 小川暢之¹, 中山雅俊², 佐野真友², 渋谷 圭³, 小山佳成³, 金古善明⁴ ¹株式会社エムシー, ²群馬大学医学部附属病院M E 機器管理室, ³群馬大学重粒子線医学研究センター, ⁴群馬大学医学部循環器内科

CDR6 ホームモニタリング機能により早期発見できたEMIによるICD不適切作動の1例

田中伸幸', 高橋憲一', 中島正雄', 大村昌人2

1バイオトロニックジャパン株式会社営業戦略企画部,2山口県済生会下関総合病院

CDR7 True bipolarからintegrated bipolarに変更することで不適切作動を回避できている一例

塩谷周平',三浦康祐',佐藤仰太郎',鈴木信都',佐藤孝博',荒川博之',川岸 浩',赤井澤義紀',矢口和彦',石澤 真',有本貴範²,岩山忠輝²,石垣大輔²,橋本直明²,熊谷 遊²,渡邉 哲²,久保田功²

'三栄カルディオ株式会社, '山形大学医学部内科学第一講座

CDR8 4極リードを使用したCRT-Dにおいて閾値判定に難渋した1例

上総寛人」,谷本耕司郎2,菊地大視1

¹日本メドトロニック株式会社CRHF事業部、²国立病院機構東京医療センター

CDR9 高除細動閾値症例に対するICDシステム構成に関する考察

鬼塚啓一¹,柏 徹雄¹,堀部健太郎¹,中山哲也¹,伊藤寿昭¹,阿部芳久²,寺田 健²¹日本メドトロニック株式会社,²秋田県立脳血管研究センター

CDR10 High DFTに於いてDeft Responseが有効であった1例

成瀬 護, 金野吉倫

セントジュードメディカル株式会社

Room 8 8:30-9:30 Debate5 [D5]

Should we perform catheter ablation for the patients with chronic AF?

Chair Teiichi Yamane

Division of Cardiology, Jikei University School of Medicine, Tokyo, Japan

D5-1 Pro

Taku Asano

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

D5-2 Con

Taishi Kuwahara

Cardiovascular Center, Yokosuka Kyosai Hospital, Kanagawa, Japan

Room 8 9:30-10:30 Oral Presentation [O36]

AF Clinical Study 2

Chairs Yukei Higashi

Department of Cardiology, Okamura Memorial Hospital, Sizuoka, Japan

Shigeru Ikeguchi

Department of Cardiology, Shiga Medical Center for Adults, Shiga, Japan

O36-1 The impact of recurrences of atrial fibrillation during the blanking period after pulmonary vein isolation

Yosuke Murase, Yasuhiro Ogawa, Hajime Imai, Seifuku Kyo, Yosuke Negishi, Noriaki Otake, Hiroaki Sawada, Yoshihito Arao, Keisuke Sakakibara, Katsuhiro Kawaguchi The Department of Cardiology, Komaki City Hospital, Aichi, Japan

O36-2 Incidence and Significance of Early Recurrence After Catheter Ablation of Paroxysmal Atrial Fibrillation

Jin Teranishi, Katsunori Okajima, Akira Shimane, Kunihiko Kiuchi, Kiminobu Yokoi, Kosuke Aoki, Misato Chimura, Hideo Tsubata, Taishi Miyata, Yuki Matsuoka, Takayoshi Toba, Shogo Ohishi, Takahiro Sawada, Yasue Tsukishiro, Tetsuari Ohnishi, Seiichi Kobayashi, Shinichiro Yamada, Yasuyo Taniguchi, Yoshinori Yasaka, Hiroya Kawai Himeji Cardiovascular Center, Hyogo, Japan

O36-3 Does three-month "blanking period" also exist after the second session of atrial fibrillation ablation?

Yuhi Fujimoto, Meiso Hayashi, Eiichiro Oka, Kanako Hagiwara, Kenta Takahashi, Ippei Tsuboi, Hiroshi Hayashi, Kenji Yodogawa, Yu-ki Iwasaki, Yasushi Miyauchi, Wataru Shimizu

Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan

O36-4 Pre-procedural Heart Rhythm Predicts Recurrence of Atrial Fibrillation in Patients Undergoing Pulmonary Vein Isolation

Kenichi Yokoyama, Keiichi Inada, Kenichi Tokutake, Keiichi Itou, Mika Hioki, Ryohsuke Narui, Shin-ichi Tanigawa, Seigo Yamashita, Michifumi Tokuda, Seiichiro Matsuo, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane

Cardiology, Jikei University, Tokyo, Japan

O36-5 Predictors of Arrhythmia Recurrence after Termination of Persistent Atrial Fibrillation by Catheter Ablation

Shinsuke Iwai¹, Yoshihide Takahashi¹, Naoyuki Miwa¹, Mayumi Masumura¹, Yasuhiro Sato¹, Kenzo Hirao², Mitsuaki Isobe³

¹Department of Cardiovascular Medicine, National Disaster Medical Center, Tokyo, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan, ³Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

Room 8 10:30-11:30 Oral Presentation [O37]

AF Ablation 6

Chairs Koichiro Ejima

Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan

Yasuteru Yamauchi

Department of Cardiovascular Medicine, Japanese Red Cross Musashino Hospital, Tokyo, Japan

O37-1 Low Voltage Zone-guided Substrate Modification in Patients with Non-paroxysmal Atrial Fibrillation: A Feasibility Study

Takanori Yamaguchi¹, Shiro Nakahara², Takeshi Tsuchiya¹, Akira Fukui¹, Yasutsugu Nagamoto³, Naohiko Takahashi⁴

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Dokkyo Medical University Koshigaya Hospital, Department of Cardiology, Saitama, Japan, ³Saga-ken Medical Centre Koseikan, Saga, Japan, ⁴Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

O37-2 Low-voltage area in anterior left atrium was frequently related to left atrial tachycardia in patients without any other cariovascular histories

Yuichiro Sakamoto, Kohei Yamashiro, Daisuke Yoshimoto, Kazuto Kujira, Mitsuaki Itoh, Takahiko Suzuki

Cardiovascular Medicine, Toyohashi Heart Center, Aichi, Japan

O37-3 Association between Rotational Activations (RotA) and Low Voltage Zone (LVZ) and Effect of LVZ Ablation in Patients with Non-Paroxysmal Atrial Fibrillation

Takanori Yamaguchi¹, Shiro Nakahara², Takeshi Tsuchiya¹, Akira Fukui¹, Yasutsugu Nagamoto³, Naohiko Takahashi⁴

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Dokkyo Medical University Koshigaya Hospital, Department of Cardiology, Saitama, Japan, ³Saga-ken Medical Centre Koseikan, Saga, Japan, ⁴Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

O37-4 Relationship between left atrial wall thickness by computed tomography and voltage amplitude and procedural parameters in patients undergoing radiofrequency catheter ablation of paroxysmal atrial fibrillation

Eri Goto, Kohki Nakamura, Shigeto Naito, Kentaro Minami, Takehito Sasaki, Satoru Shimizu, Toshiaki Yano, Masahiro Nakano, Daisuke Kutsuzawa, Yoshiaki Yamaguchi, Koji Kumagai, Shigeru Oshima

Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan

O37-5 Predictive Factors of Atrial Fibrillation Recurrence After First Pulmonary Vein Isolation of Persistent Atrial Fibrillation

Kazuhiro Yajima¹, Yuichiro Yamase¹, Junki Yamamoto¹, Naoki Yoshioka¹, Chikara Ueyama¹, Nobukatsu Akita¹, Toshimasa Shigeta¹, Hideki Horibe¹, Takeshi Hibino¹, Taizo Kondo¹, Nobuyuki Ohte²

¹Department of Cardiology, Gifu Prefectural Tajimi Hospital, Gifu, Japan, ²Department of Cardio-Renal Medicine and Hypertension, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

Room 8 11:50-12:50 Luncheon Seminar20 [LS20]

Results from the Prospective Registry of Patients Using the Wearable Defibrillator(WEARIT- II Registry) ★

Chair Kazuo Matsumoto

Higashimatsuyama Medical Association Hospital, Saitama, Japan / Cardiology Department of International Medical Center Saitama Medical University, Saitama, Japan

LS20-1 Results from the Prospective Registry of Patients Using the Wearable Defibrillator(WEARIT- | Registry)

Valentina Kutyifa

University of Rochester Medical Center, USA

(ASAHI KASEI ZOLL MEDICAL CORPORATION)

Room 8 14:10-15:10 Debate6 [D6]

Is DFT test necessary for ICD implant?

Chair Hisashi Yokoshiki

Department of Cardiovascular Medicine, Hokkaido University Hospital, Hokkaido, Japan

D6-1 Pro

Yoshihisa Abe

Department of Cardiology, Research Institute for Brain and Blood Vessels Akita, Akita, Japan

D6-2 Con

Takeshi Mitsuhashi

Cardiovascular Medicine, Saitama Medical Center, Jichi Medical University, Saitama, Japan

Room 8 15:10-16:10 Oral Presentation [O38]

AF Ablation 7

Chairs Akihiro Yoshida

Division of Cardiovascular Medicine, Department of Internal Medicine, Kitaharima Medical Center, Hyogo, Japan

Takahiko Nagase

Department of Cardiology, Saitama Medical University, International Medical Center, Saitama, Japan

O38-1 Force time index of VisiTag module is useful in reducing residual conduction gap in circumferential pulmonary vein isolation for atrial fibrillation

Noriyori Kaname¹, Masaomi Kimura², Daisuke Horiuchi³, Kenichi Sasaki², Taihei Itoh², Ken Okumura²

¹Department of Internal Medicine, Chikamori Hospital, Kochi, Japan, ²Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan, ³Department of Advance Management of Cardiac Arrhythmia, Hirosaki University, Aomori, Japan

O38-2 How Strongly Dose We Get the Catheter Contact with Agilis Steerable Sheath?

Taku Asano, Kou Ogawa, Yuya Nakamura, Akinori Ochi, Koichiro Inokuchi, Yuta Chiba, Shiro Kawasaki, Yoshimi Onishi, Yoshimasa Onuma, Yumi Munetsugu, Miwa Kikuchi, Hiroyuki Ito, Tatsuya Onuki, Fumito Miyoshi, Yoshino Minoura, Norikazu Watanabe, Taro Adachi, Mitsuharu Kawamura, Youichi Kobayashi

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O38-3 Influence of Pulmonary Vein Locations on the Catheter Stability Assessed by VISITAG™ Module of CARTO 3 System

Rikitake Kogawa¹, Yasuo Okumura¹, Ichiro Watanabe¹, Koichi Nagashima¹, Kazumasa Sonoda¹, Naoko Sasaki¹, Kazuki Iso¹, Keiko Takahashi¹, Sayaka Kurokawa¹, Shiro Nakahara², Masatsugu Hori², Kimie Ohkubo¹, Toshiko Nakai¹, Atsushi Hirayama¹

¹Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan, ²Dokkyo Medical University Koshigaya Hospital, Department of Cardiology, Saitama, Japan

O38-4 Immediate and long-term outcomes of contact force guided catheter ablation for atrial fibrillation

Hiroshi Tasaka, Satoki Fujii, Masatomo Ozaki, Mitsuru Yoshino, Noriyuki Ohashi, Yoji Okamoto, Kazushige Kadota, Kazuaki Mitsudo

Department of Cardiology, Kurashiki Central Hospital, Okayama, Japan

O38-5 Impact of catheter ablation with contact force sensing and automated lesion tagging on pulmonary vein isolation

Masahiro Yoshida, Hisashi Murakami, Tomoyuki Shibata, Naoki Tsurumi, Shuro Riku, Hiroki Kojima, Takuya Okada, Kenji Kada, Naoya Tsuboi *Department of Cardiology, JCHO Chukyo Hospital, Aichi, Japan*

Room 8 16:10-17:10 Debate7 [D7]

Is a HUT necessary for the prediction of sudden cardiac death?

Chair Yuji Murakawa

Department of Internal Medicine, Teikyo University Mizonouchi Hospital, Kanagawa, Japan

D7-1 Pro

Haruhiko Abe

Department of Heart Rhythm Management, University of Occupational and Environmental Health, Fukuoka, Japan

D7-2 Con

Mitsuhiro Nishizaki

Department of Cardiology, Yokohama Minami Kyosai Hospital, Kanagawa, Japan

Room 9 8:30-10:00 Symposium9 [SP9]

Risk Stratification of Early Repolarization Syndrome ★

Chairs Yoshifusa Aizawa

Research and Development Tachikawa Medical Center, Niigata, Japan

Shiro Kamakura

Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

SP9-1 The prognostic value of early repolarization (ER) and ST-segment morphology following the ER in Brugada syndrome: Multicenter study in Japan

Masahiko Takagi, Yukio Sekiguchi, Yasuhiro Yokoyama, Naohiko Aihara, Masayasu Hiraoka, Kazutaka Aonuma, The Japan Idiopathic Ventricular Fibrillation Study (J-IVFS) Investigators

The Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka, Japan

SP9-2 Syncope in patients with J wave

Yoshino Minoura, Yuta Chiba, Yuya Nakamura, Kou Ogawa, Akinori Ochi, Koichirou Inokuchi, Yoshimi Onishi, Shiro Kawasaki, Yumi Munetsugu, Miwa Kikuchi, Tatsuya Onuki, Norikazu Watanabe, Taro Adachi, Mitsuharu Kawamura, Taku Asano, Youichi Kobayashi

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

SP9-3 The impact of characteristics ECG morphology on the occurrence of ventricular fibrillation in hypothermic patients with Osborn wave

Hiroki Sugiyama¹, Hiroshi Morita², Motomi Tachibana¹, Koji Nakagawa¹, Nobuhiro Nishii², Kazufumi Nakamura¹, Satoshi Nagase¹, Hiroshi Ito¹

¹Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan, ²Department of Cardiovascular Therapeutics, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

SP9-4 Importance of dynamic analysis of wide spectrum of repolarization indices in early repolarization syndrome

Ahmed Talib, Nobuyuki Sato, Eitaro Sugiyama, Naoko Kawabata, Naka Sakamoto, Yasuko Tanabe, Yuichiro Kawamura, Naoyuki Hasebe

Asahikawa Medical University, First Department of Medicine, Hokkaido, Japan

Risk factors for the recurrence of ventricular fibrillation in patients with early repolarization syndrome

Tsukasa Kamakura, Mitsuru Wada, Ikutaro Nakajima, Kohei Ishibashi, Koji Miyamoto, Hideo Okamura, Takashi Noda, Takeshi Aiba, Shiro Kamakura, Kengo Kusano Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

Room 9 10:00-11:30 Symposium10 [SP10]

Sleep Apnea Syndrome and Arrhythmias—Relations with the Autonomic Nervous System— ★

Chairs Virend K. Somers

Mayo Clinic, USA

Eiichi Watanabe

Department of Cardiology, Fujita Health University, Aichi, Japan

SP10-1 Key Note Lecture: Autonomic Mechanisms in Sleep Apnea—Implications for Arrhythmias and Sudden Death

Virend K. Somers

Mayo Clinic, USA

SP10-2 Nocturnal Variations in Atrial and Ventricular Electrophysiological Properties in Obstructive Sleep Apnea

Tetsuo Sasano¹, Yuri Ishihara¹, Mamiko Oya¹, Toshihide Fujie², Meiyo Tamaoka², Yuki Sumi¹, Masato Matsuura¹, Yasunari Miyazaki², Kenzo Hirao³

¹Department of Biofunctional Informatics, Tokyo Medical and Dental University, Tokyo, Japan, ²Department of Respiratory Medicine, Tokyo Medical and Dental University, Tokyo, Japan, ³Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

SP10-3 The Impact of Sleep Apnea on Early and Late Recurrence of Atrial Fibrillation Following Catheter Ablation

Shin-ichi Tanigawa, Seiichiro Matsuo, Ken-ichi Tokutake, Ken-ichi Yokoyama, Ryohsuke Narui, Mika Hioki, Michifumi Tokuda, Seigo Yamashita, Keiichi Inada, Kenri Shibayama, Satoru Miyanaga, Kenichi Sugimoto, Teiichi Yamane

The Department of Cardiology, The Jikei University School of Medicine, Tokyo, Japan

SP10-4 A severity of sleep-disordered breathing with atrial fibrillation ablation candidates is associated with the long-term outcome after pulmonary vein antrum isolation

Kazuaki Kaitani, Naoaki Onishi, Yukiko Hayama, Hirokazu Kondo, Yoshihisa Nakagawa Department of Cardiology, Tenri Hospital, Nara, Japan

SP10-5 Impact of Obstructive Sleep Apnea on Cardiac Sympathetic Drive in Patients with Congestive Heart Failure

Taro Adachi, Shinji Koba, Ko Ogawa, Yuya Nakamura, Akinori Ochi, Koichiro Inokuchi, Yuta Chiba, Yumi Munetsugu, Yoshimasa Onuma, Shiro Kawasaki, Yoshimi Onishi, Tatsuya Onuki, Norikazu Watanabe, Yoshino Minoura, Mitsuharu Kawamura, Taku Asano, Youichi Kobayashi

Department of Medicine, Division of Cardiology, Showa University School of Medicine, Tokyo, Japan

Room 9 11:50-12:50 Luncheon Seminar21 [LS21]

T2DM treatments for the prevention of CVD

Chair Shiro Iwanaga

Department of Cardiology, Saitama Medical University, International Medical Center, Saitama, Japan

LS21-1 T2DM treatments for the prevention of CVD

Kouichi Inukai

Director of Diabetic Center, Division of Diabetes and Endocrinology, Higashiyamato Hospital, Tokyo, Japan

(MSD K.K.)

Room 9 14:10-15:40 Medical Professional Session3 [MPS3]

ICD患者のサポート

座長 樗木晶子

九州大学医学部保健学科

梅津 努

筑波大学附属病院看護部CDRチーム

MPS3-1 植込み型除細動器 (ICD) 患者の健康関連QOLと心理的問題に関する研究

宮園真美¹, 澤渡浩之², 橋口暢子³, ラハマワティアニタ³, 石川勝彦⁴, 竹本真生³, 向井 靖³, 井上修二郎³, 眞茅みゆき⁵, 大塚祐子⁶, 櫻田春水⁷, 仲井 盛⁷, 樗木浩朗⁸, 樗木晶子³

¹福岡県立大学看護学部,²済生会二日市病院,³九州大学,⁴熊本大学,⁵北里大学,⁶東京都立広尾病院,⁷東京都保健医療公社大久保病院,⁸保健医療経営大学

MPS3-2 ICD患者を支えるための社会的サポート

安島良輝子¹, 梅津 努¹, 助川みやこ¹, 小川孝二郎², 関口幸夫², 野上昭彦², 青沼和隆² ¹筑波大学附属病院看護部、²筑波大学附属病院循環器内科

MPS3-3 ICD患者の社会復帰阻害因子の検討と多職種での取り組み

大野真紀

亀田総合病院循環器内科

MPS3-4 当院のICD患者管理について

笹岡俊介¹, 川崎 誠¹, 島田一生¹, 政木拓也¹, 山田裕紀¹, 宮本泰介¹, 佐藤友理¹, 酒井 毅², 村松俊哉³, 塚原玲子³, 伊藤良明³, 石盛 博³, 平野敬典³, 中野雅嗣³, 山脇理弘³, 荒木基晴³, 小林範弘³, 滝村英幸³, 阪本泰成³

¹ 恩賜財団済生会横浜市東部病院臨床工学部,² 恩賜財団済生会横浜市東部病院不整脈科,³ 恩賜財団済生会横浜市東部病院循環器内科

Room 9 15:40-17:10 Medical Professional Session4 [MPS4]

MRI対応デバイスの撮像における実態と問題点

座長 中島 博

日本デバイス治療研究所

土橋俊男

日本医科大学付属病院放射線科

MPS4-1 条件付きMRI対応デバイスにおけるMRI検査の安全性・モード設定に関する検討

杉山千紘¹,中井俊子²,西尾佳惠¹,松井孝拓¹,池谷之利²,永島正明³,永嶋孝一²,古川力丈²,佐々木直子²,磯 一貴²,高橋啓子²,園田和正²,黒川早矢香²,大久保公恵²,奥村恭男²,國本 聡²,渡辺一郎²,平山篤志²

¹日本大学医学部附属板橋病院臨床工学技士室,²日本大学医学部内科学系循環器内科学分野,³日本大学医学部病態病理 学系臨床検査医学分野

MPS4-2 当院におけるMRI対応デバイス撮影の現状

磯村健二',吉田 靖',楠本繁崇',加藤貴充',近藤智勇',村辻雄大',高階雅紀',南口 仁²,水野裕八²,小西正三²,小津賢太郎²,中野智彰²,山口 修²,奥山裕司²,坂田泰史² 大阪大学医学部附属病院MEサービス部。²大阪大学大学院医学系研究科循環器内科学

MPS4-3 当院における条件付きMRI対応ペースメーカ患者の撮影経験と課題

境田知子¹, 五関善成², 寳田 顕², 齋藤由佳¹, 矢崎義直², 尾形申弐¹, 山科 章² ¹東京医科大学病院中央検査部生理機能検査室、²東京医科大学病院循環器内科

MPS4-4 条件付きMRI対応デバイスの心臓MRIに対するアーチファクトの影響と撮像法の工夫

水野直和¹, 井上完起², 友池仁暢², 矢川真弓子², 歌野原祐子², 高田香織¹, 井口信雄², 梅村 純², 杉岡 翔¹, 松田 純¹

¹公益財団法人日本心臟血圧研究振興会榊原記念病院放射線科,²公益財団法人日本心臟血圧研究振興会榊原記念病院循環器内科

Room 10 8:30-9:30 Oral Presentation [O39]

Imaging 2

Chairs Junichi Nitta

Department of Cardiovascular Medicine, Saitama Red Cross Hospital, Saitama, Japan

Yusuke Kodama

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O39-1 A single center study for evaluating anatomical variations of sinoatrial nodal artery using 320-slice CT

Yasunori Hiranuma¹, Takayasu Ishikawa¹, Yukiko Toyoda¹, Marehiko Ueda², Akira Miyazaki¹

¹Department of Cardiology, Chiba Cerebral and Cardiovascular Center, Chiba, Japan, ²Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba, Japan

O39-2 Novel echocardiographic parameter for optimal heart rate control in patients with atrial fibrillation

Kentaro Nakamura¹, Keiko Yamashita¹, Chikashi Nago¹, Tomoyuki Kawashima¹, Naoto Miyagi¹, Hiroki Uehara¹, Masanori Shimajiri¹, Tatsuya Kuniyoshi¹, Mitsuaki Takami²
¹The Department of Cardiology, Urasoe General Hospital, Okinawa, Japan, ²The Department of Internal Medicine, Owaki Hospital, Tokyo, Japan

O39-3 Comparison of radiation dose of catheter ablation for atrial fibrillation using three-dimensional computed tomography or using three-dimensional rotational angiography

Satoshi Fujita, Eitaro Fujii, Yoshihiko Kagawa, Masaaki Ito Department of Cardiology and Nephrology, Mie University Graduate School of Medicine, Mie, Japan

O39-4 Safety advantage of preprocedural thrombus evaluation of the left atrial appendages by using intracardiac echocardiography in patients undergoing catheter ablation for persistent atrial fibrillation

Yukinori Ikegami, Kojiro Tanimoto, Kohei Inagawa, Kotaro Miura, Tadashi Fukuda, Memori Fukuda, Wataru Yamada, Jun Fuse, Munehisa Sakamoto, Yukihiko Momiyama Department of Cardiology, National Hospital Organization Tokyo Medical Center, Tokyo, Japan

O39-5 Cardiac imaging for the management of arrhythmia

Yasushi Akutsu¹, Youichi Kobayashi²

¹Department of Internal Medicine (Cardiology), Clinical Research Center for Clinical Pharmacology & Therapeutics, Showa University Karasuyama Hospital, Tokyo, Japan, ²Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

Room 10 9:30-10:30 Oral Presentation [O40]

AF Ablation Complication 3★

Chairs Takashi Komatsu

Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Iwate, Japan

Shiro Narahara

Department of Cardiology, Dokkyo University Koshigaya Hospital, Saitama, Japan

O40-1 Pulmonary Vein Isolation Using Cryoablation Causes Pulmonary Vein Stenosis?

Ryo Watanabe, Yukihiko Yoshida, Masayuki Nakamura, Ayumi Ito, Yu Mori, Yu Yoshiki, Natsu Sekioka, Shunsuke Eguchi, Monami Ando, Mayuho Maeda, Yutaka Aoyama, Yasuhiro Ogura, Hirohiko Suzuki, Hiroki Kamiya, Mamoru Nanasato, Haruo Hirayama *Cardiovascular Center, Nagoya Daini Red Cross Hospital, Aichi, Japan*

O40-2 Comparison of Myocardial Injury Induced by Cryoballoon Ablation and Radiofrequency Contact Force-guided Ablation in Patients Undergoing Circumferential Pulmonary Vein Isolation

Daisuke Horiuchi¹, Takahiko Kinjo², Yuji Ishida², Taihei Itoh², Kenichi Sasaki², Masaomi Kimura², Shingo Sasaki¹, Ken Okumura²

¹Department of Advance Management of Cardiac Arrhythmias, Hirosaki University Graduate School of Medicine, Aomori, Japan, ²Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan

O40-3 Pre-assessment of the left atrial and pulmonary venous wall thickness for a prediction of pulmonary vein isolation with cryoballoon ablation

Akira Ueno¹, Norishige Morita¹, Takayuki Iida¹, Masashi Hashida², Akiko Ushijima¹, Yoshinori Kobayashi¹

¹Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo, Japan, ²Tokai University Tokyo Hospital, Tokyo, Japan

O40-4 The risk factor of the phrenic nerve palsy with second-generation cryoballoons

Masahito Suzuki¹, Junichi Nitta¹, Yosuke Hayashi¹, Yoshikazu Sato¹, Keita Watanabe¹, Yukihiro Inamura¹, Ken Negi¹, Tatsuya Hayashi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Kihiro Asakawa¹, Masahiko Goya², Kenzo Hirao²

¹The Department of Cardiology, Saitama Red Cross Hospital, Saitama, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

O40-5 Detection of phrenic nerve palsy following pulmonary vein isolation with cryoballoon

Yusuke Kondo¹, Takashi Kurita², Marehiko Ueda³, Yoshio Kobayashi³, Joerg O. Schwab¹
¹Department of Medicine-Cardiology, University of Bonn, Bonn, Germany, ²Division of Cardiovascular Center,
Department of Medicine, Kinki University, Osaka, Japan, ³Department of Cardiology, Chiba University Graduate
School of Medicine, Chiba, Japan

Room 10 10:30-11:30 Oral Presentation [O41]

Anticoagulant 3

Chairs Takeshi Tobiume

Department of Cardiology, Tokushima University Hospital, Tokushima, Japan

Kojiro Tanimoto

Department of Cardiology, NHO Tokyo Medical Center, Tokyo, Japan

O41-1 Antiplatelet drugs accelerate fibrinolytic system and coagulating system

Koichiro Inokuchi, Norikazu Watanabe, Mitsuharu Kawamura, Yuya Nakamura, Akinori Ochi, Yuta Chiba, Yoshimi Onishi, Yumi Munetsugu, Tatsuya Onuki, Yoshino Minoura, Taro Adachi, Taku Asano, Youichi Kobayashi

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O41-2 Evaluation of Anti-Coagulability between Non-vitamin K Antagonist Oral Anticoagulants from the Standpoint of the Number of Oral Administration.Once or Twice a day?

Shigetaka Kanda¹, Koichiro Yoshioka¹, Daisuke Fujibayashi¹, Tadashi Hashida², Mari Amino¹, Yuji Ikari¹

¹Department of Cardiology, Internal Medicine, Tokai University, Kanagawa, Japan, ²Tokyo Hospital, Tokai University, Tokyo, Japan

O41-3 A novel evaluation system for efficacy of warfarin and NOAC with Dielectric blood coagulometry

Yusuke Ebana¹, Mitsuaki Isobe²

¹Department of Bioinformational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, ²Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

O41-4 Left atrial appendage thrombus formation in patients with nonvalvular atrial fibrillation on anticoagulation therapy

Mihoko Kawabata, Masahiko Goya, Takeshi Sasaki, Susumu Tao, Yasuhiro Shirai, Takuro Nishimura, Kenzo Hirao

Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

O41-5 Questionnaire Survey on the Actual Conditions of Antithrombotic Medications in a Cardiology Outpatient Clinic of a Medical Center

Tadashi Fujino, Kenzaburo Kobayashi, Hitomi Yuzawa, Hideki Koike, Toshiki Asada, Ken Kitahara, Toshio Kinoshita, Takeya Suzuki, Atsuko Abe, Hideyuki Sato, Shunji Fukunaga, Takanori Ikeda

Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo, Japan

Room 10 11:50-12:50 Luncheon Seminar22 [LS22]

Amiodarone: Young Doctor's Guide for Use and Monitoring

Chair Kazutaka Aonuma

Cardiovascular Division, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Ibaraki, Japan

LS22-1 Amiodarone: Young Doctor's Guide for Use and Monitoring

Tsuyoshi Shiga

Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan

(Sanofi K.K.)

Room 10 14:10-15:10 Oral Presentation [O42]

Ablation Respiratory Care

Chairs Mahito Noro

Department of Cardiology, Toho University Ohashi Hospital, Tokyo, Japan

Tatsuya Onuki

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O42-1 Respiratory care by Jaw elevation device combined with adaptive servoventilation can put the patient under deep sedation with stable respiration during atrial fibrillation ablation

Kazuya Mizukami, Hisashi Yokoshiki, Hirofumi Mitsuyama, Taro Tenma, Hiroyuki Tsutsui

Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

O42-2 Impact of Deep Sedations during Catheter Ablation on the Electrophysiological Behavior of PV and Non-PV Firing in Atrial Fibrillation Patients

Ryohsuke Narui, Seiichiro Matsuo, Ken-ichi Tokutake, Ken-ichi Yokoyama, Mika Hioki, Shin-ichi Tanigawa, Michifumi Tokuda, Keiichi Inada, Kenri Shibayama, Michihiro Yoshimura, Teiichi Yamane

Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo, Japan

O42-3 Combination of Bilevel Positive Airway Pressure and Oral Airway Insertion Is an Effective Strategy during Atrial Fibrillation Ablation

Yoshiaki Yamaguchi, Koji Kumagai, Masahiro Nakano, Daisuke Kutsuzawa, Eri Goto, Kentaro Minami, Satoru Shimizu, Toshiaki Yano, Takehito Sasaki, Kohki Nakamura, Shigeto Naito, Shigeru Oshima

Gunma Cardiovascular Center, Gunma, Japan

O42-4 Usage experience of I-gel for respiratory management with deep sedation during atrial fibrillation ablation

Masahiro Maruyama, Koji Miyamoto, Tsuyoshi Mishima, Yoshitaka Kimura, Junji Kaneyama, Ayako Kamijima, Saeko Hirose, Tsukasa Kamakura, Mitsuru Wada, Ikutaro Nakajima, Kohei Ishibashi, Hideo Okamura, Takashi Noda, Takeshi Aiba, Shiro Kamakura, Kengo Kusano

Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

O42-5 Continuous positive airway pressure therapy for sleep disordered breathing reduces the recurrence of atrial fibrillation after initial pulmonary vein isolation

Hiroshi Kawakami¹, Takayuki Nagai¹, Akira Fujii¹, Chiharuko Iio¹, Kaori Fujimoto¹, Tamami Kono¹, Teruyoshi Uetani¹, Kazuhisa Nishimura¹, Katsuji Inoue¹, Jun Suzuki¹, Yasunori Oka², Akiyoshi Ogimoto¹, Takafumi Okura¹, Jitsuo Higaki¹

¹Department of Cardiology, Pulmonology, Hypertension and Nephrology, Ehime University Graduate School of Medicine, Ehime, Japan, ²Ehime University Center for Sleep Medicine, Ehime, Japan

Room 10 15:10-16:10 Oral Presentation [O43]

AF Ablation 8

Chairs Satoshi Higa

Cardiac Electrophysiology and Pacing Laboratory, Division of Cardiovascular Medicine, Makiminato Central Hospital, Okinawa, Japan

Kazuhiko Tanaka

Heart Center, Arrhythmia Unit, Kasukabe Chuo General Hospital, Saitama, Japan

O43-1 Catheter ablation of non-pulmonary vein firing originating from interatrial septum causing repetitive recurrence of paroxysmal atrial fibrillation after pulmonary vein isolation

Hitoshi Mori¹, Akira Hamabe¹, Junko Arakawa¹, Mai Otsuka¹, Yoshinori Takase¹, Youdou Gatate¹, Shunichi Takiguchi¹, Kazuhiro Nakaya¹, Norio Ishigami¹, Hirotsugu Tabata¹, Shuichi Katushika¹, Bonpei Takase²

¹Department of Cardiovascular Medicine, Self Defense Forces Central Hospital, Tokyo, Japan, ²Department of Intensive Care Medicine, National Defense Medical College, Saitama, Japan

O43-2 Impact of Empiric Isolation of the Superior Vena Cava in Addition to Circumferential Pulmonary Vein Isolation on the Outcome of Paroxysmal Atrial Fibrillation Ablation

Koichiro Ejima, Ken Kato, Ryuta Henmi, Daigo Yagishita, Tetsuyuki Manaka, Michiko Imai, Kuniaki Suwa, Takashi Mizuki, Morio Shoda, Nobuhisa Hagiwara Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan

O43-3 Withdrawn

O43-4 Withdrawn

O43-5 Cather Ablation of Non-Pulmonary Vein Foci Induced by High-Dose Isoproterenol and Rapid Atrial Pacing in Patients with Paroxysmal Atrial Fibrillation

Tatsuya Hayashi¹, Junichi Nitta¹, Akira Sato¹, Yosuke Hayashi¹, Yoshikazu Sato¹, Keita Watanabe¹, Yukihiro Inamura¹, Masahito Suzuki¹, Ken Negi¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Kihiro Asakawa¹, Masahiko Goya², Kenzo Hirao²

¹Saitama Red Cross Hospital, Saitama, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

Room 10 16:10-17:10 Oral Presentation [O44]

Anticoagulant 4

Chairs Tetsuya Asakawa

Department of Cardiology, Yamanashi Kosei Hospital, Yamanashi, Japan

Eitaro Kodani

Department of Internal Medicine and Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo, Japan

O44-1 Stroke prevention and bleeding complications among warfarin, dabigatran, rivaroxaban and apixiaban in patients undergoing atrial fibrillation ablation

Kiyohiro Hyogo, Koji Fukuzawa, Akihiro Yoshida, Tomoyuki Nakanishi, Soichiro Yamashita, Akinori Matsumoto, Hiroki Konishi, Hirotoshi Ichibori, Hiroshi Imada, Kenichi Hirata

Kobe University School of Medicine, Hyogo, Japan

O44-2 Different Characteristics of Non-Vitamin K Antagonist Oral Anticoagulants As Perioperative Therapy During Atrial Fibrillation Ablation

Hirosuke Yamaji¹, Shunichi Higashiya¹, Hiroshi Kawamura², Takashi Murakami², Kazuyoshi Hina²

¹Heart Rhythm Center, Okayama Heart Clinic, Okayama, Japan, ²Cardiovascular Medicine, Okayama Heart Clinic, Okayama, Japan

O44-3 Comparisons of the effect of anticoagulation therapies on the coagulation systemincluding the tissue factor pathway between vitamin K antagonist and the factor Xa inhibitors

Sou Otsuki¹, Daisuke Izumi¹, Akinori Sato¹, Toshiki Takano¹, Yuki Hasegawa¹, Nobue Yagihara¹, Hiroshi Watanabe¹, Masaomi Chinushi², Tohru Minamino¹

¹Department of Cardiovascular Biology and Medicine, Niigata University School of Medical and Dental Sciences, Niigata, Japan, ²School of Health Science, Faculty of Medicine, Niigata University, Niigata, Japan

O44-4 Predictors of silent cerebral emboli by magnetic resonance imaging after catheter ablation of atrial fibrillation among four oral anticoagulants

Kohki Nakamura, Shigeto Naito, Kentaro Minami, Takehito Sasaki, Eri Goto, Suguru Shimizu, Daisuke Kutsuzawa, Yoshiaki Yamaguchi, Masahiro Nakano, Toshiaki Yano, Koji Kumagai, Shigeru Oshima

Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan

O44-5 Apixaban Does not Increase Re-bleeding on Puncture Site in High Risk Patients Undergoing Atrial Fibrillation Ablation

Keisuke Okawa, Saori Tsukuda, Naoaki Matsuo, Tomoyuki Nishibe, Fumi Yokohama, Masahiro Sogo, Kazumasa Nosaka, Masahito Kajiya, Masayuki Doi, Keiichi Mashima, Kou Takeda

Department of Cardiovascular Medicine, Kagawa Prefectural Central Hospital, Kagawa, Japan

Room 11 8:30-9:20 Oral Presentation [O45]

AF Ablation 9★

Chairs Hisa Shimojima

Division of Cardiology, Showa University Fujigaoka Hospital, Kanagawa, Japan

Yukoh Hirai

Department of Cardiology, Kure Kyosai Hospital, Hiroshima, Japan

O45-1 Short coupling interval ectopies may trigger atrial fibrillation

Takashi Kanda, Masaharu Masuda, Akihiro Sunaga, Yasuhiro Matsuda, Masaaki Uematsu

Kansai Rosai Hospital, Cardiovascular Center, Hyogo, Japan

O45-2 Novel Diagnostic Approach to Identify Arrhythmogenic Pulmonary Vein during Catheter Ablation for Atrial Fibrillation

Masahide Harada¹, Kohei Sawasaki², Masahiro Muto², Masayuki Koshikawa¹, Tomohide Ichikawa¹, Mayumi Yamamoto¹, Yoshihiro Sobue¹, Kentarou Okuda¹, Asami Fujiwara¹, Eiichi Watanabe¹, Yukio Ozaki¹

¹Department of Cardiology, Fujita Health University School of Medicine, Aichi, Japan, ²Department of Cardiology, Hamamatsu Medical Center, Shizuoka, Japan

O45-3 Paroxysmal Atrial Fibrillation Diagnosed by Medical Check-up (KEN-SHIN) Predicts Worse Outcome of Catheter Ablation

Ryohsuke Narui, Michifumi Tokuda, Ken-ichi Tokutake, Ken-ichi Yokoyama, Mika Hioki, Shin-ichi Tanigawa, Keiichi Inada, Seiichiro Matsuo, Kenri Shibayama, Michifumi Yoshimura, Teiichi Yamane

Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo, Japan

O45-4 The time course of the change in P wave morphology in cases with new onset atrial fibrillation

Tomoharu Yoshizawa¹, Shinichi Niwano¹, Hironori Nakamura¹, Tazuru Igarashi¹, Tamami Fujiishi¹, Naruya Ishizue¹, Jun Oikawa¹, Jun Kishihara¹, Akira Satoh¹, Masami Murakami¹, Hidehira Fukaya¹, Hiroe Niwano², Junya Ako¹

¹Department of Cardiovascular Medicine, Kitasato University School of Medicine, Kanagawa, Japan, ²Department of Education, Tamagawa University, Collage of Education, Tokyo, Japan

Room 11 9:30-10:30 Oral Presentation [O46]

AF Ablation Complication 4

Chairs Taketsugu Tsuchiya

Division of Trans-catheter Cardiovascular Therapeutics, Kanazawa Medical University Hospital, Ishikawa, Japan

Norikazu Watanabe

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O46-1 Rethink the purpose and effectiveness of prophylactic proton pump inhibition after pulmonary vein isolation

Kojiro Ogawa¹, Kenji Kuroki¹, Yasutoshi Shinoda¹, Eikou Sai¹, Mitsuhiro Fukata¹, Keita Masuda¹, Yoshiaki Yui¹, Takeshi Machino¹, Miyako Igarashi¹, Yukio Sekiguchi¹, Akihiko Nogami¹, Kazutaka Aonuma¹, Yuji Mizokami²

¹The Cardiovascular Division, University of Tsukuba, Ibaraki, Japan, ²Department of Gastroenterology, University of Tsukuba, Ibaraki, Japan

O46-2 Pseudo-aneurysm of the superficial external pudendal artery after pulmonary vein isolation

Tomoka Tabata, Hajime Saeki, Miwa Miyoshi, Miho Kuramoto, Shumpei Kosugi, Hiroyasu Inui, Takashi Mukai, Yusuke Kobayashi, Masami Nakagawa, Nobuyuki Ogasawara, Shinji Hasegawa

JCHO Osaka Hospital, Osaka, Japan

O46-3 Incidence of pacemaker implantation after radiofrequency catheter ablation for paroxysmal atrial fibrillation with sick sinus syndrome

Tetsuma Kawaji, Satoshi Shizuta, Mitsuhiko Yahata, Kentaro Nakai, Hiroaki Sugiyama, Takeru Makiyama, Koh Ono, Takeshi Kimura

Department of Cardiology, Kyoto University Graduate School of Medicine, Kyoto, Japan

O46-4 Complication of Atrial Fibrillation Ablation in Patients with Sleep Apnea Syndrome

Ryohsuke Narui, Seiichiro Matsuo, Ken-ichi Tokutake, Ken-ichi Yokoyama, Mika Hioki, Shin-ichi Tanigawa, Michifumi Tokuda, Keiichi Inada, Kenri Shibayama, Michihiro Yoshimura, Teiichi Yamane

Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo, Japan

O46-5 Maintaining sinus rhythm by cardioversion with a low-dose bepridil before catherter ablation did not improve clinical outcome in patients with persistent atrial fibrillation

Tadashi Wada, Masato Murakami, Tomoyuki Tani, Hidetaka Suenaga, Sigeru Saito Department of Cardiovascular Therapeutics, Shonan Kamakura General Hospital, Kanagawa, Japan

Room 11 10:30-11:30 Oral Presentation [O47]

Syncope

Chairs Mitsuhiro Nishizaki

Department of Cardiology, Yokohama Minami Kyosai Hospital, Kanagawa, Japan

Hitoshi Suzuki

Department of Arrhythmia and Cardiac Pacing, Fukushima Medical University, Fukushima, Japan

O47-1 Difference in damage degree of vagal fibers between slow pathway ablation and pulmonary vein isolation at postoperative acute phase

Makoto Ono¹, Yasuhiro Yoshiga¹, Takeshi Ueyama¹, Takayoshi Kato¹, Tomoko Fumimoto¹, Hirotomo Ishiguchi¹, Akihiko Shimizu², Masafumi Yano¹

¹Department of Medicine and Clinical Science, Division of Cardiology, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan, ²Faculty of Health Science, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

O47-2 Patients' Characteristics of Paroxysmal Supraventricular Tachycardia with Syncope

Takeshi Kodani¹, Takanao Mine², Kenki Ashida², Hideyuki Kishima², Tohru Masuyama² ¹Cardiovascular Division, Kobe Hospital of Japan Seafarers Relief Association, Hyogo, Japan, ²Cardiovascular Division, Department of Internal Medicine, Hyogo College of Medicine, Hyogo, Japan

O47-3 A Case of Cardiac Asystole Triggered by Temporal Lobe Epilepsy with Amygdala Enlargement

Junko Arakawa¹, Tomoo Nagai¹, Hidenobu Sugano⁴, Akira Hamabe¹, Mai Otsuka¹, Yoshiyuki Takase², Yodo Gatate², Shunichi Takiguchi², Kazuhiro Nakaya¹, Norio Ishigami², Koji Fukushima³, Hirotsugu Tabata², Bonpei Takase⁵, Shuichi Katsushika¹

¹Department of Cardiology, Japan Self-Defense Forces Central Hospital, Tokyo, Japan, ²Department of Cardiology, Mishuku Hospital, Tokyo, Japan, ³Department of Neurology, Japan Self-Defense Forces Central Hospital, Tokyo, Japan, ⁴Department of Neurosurgery, Juntendo University Hospital, Tokyo, Japan, ⁵Department of Intensive Care Medicine, National Defense Medical College, Saitama, Japan

O47-4 Paroxysmal third-degree atrioventricular block of unknown etiology in a young patient

Hironori Sato¹, Yuichi Ono¹, Sawako Yada¹, Taku Fukushima¹, Yuki Osaka¹, Kenji Koura¹, Toru Miyazaki¹, Tomoko Manno¹, Ken Kurihara¹, Shigeo Shimizu¹, Kenichiro Otomo¹, Kenzo Hirao²

¹Division of Cardiology, Ome Municipal General Hospital, Tokyo, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

O47-5 Pilsicainide-enhanced J wave and ST segment elevation in inferior leads in a patient with variant forms of Brugada syndrome

Fuminori Odagiri¹, Yuji Nakazato¹, Hiroya Shimano², Rie Takano², Gaku Sekita³, Takashi Tokano¹, Masataka Sumiyoshi⁴, Hiroyuki Daida³

¹Department of Cardiology, Juntendo University Urayasu Hospital, Chiba, Japan, ²Department of Medical Engineering, Juntendo University Urayasu Hospital, Chiba, Japan, ³Department of Cardiology, Juntendo University School of Medicine, Tokyo, Japan, ⁴Department of Cardiology, Juntendo University Nerima Hospital, Tokyo, Japan

Room 11 11:50-12:50 Luncheon Seminar23 [LS23]

Heart Failure with Chronic Obstructive Pulmonary Disease: Diagnosis and Beta-blocker Therapy

Chair Wataru Shimizu

Department of Cardiovascular Medicine, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan

LS23-1 Heart Failure with Chronic Obstructive Pulmonary Disease: Diagnosis and Beta-blocker Therapy

Naoki Sato

Cardiology and Intensive Care Unit, Nippon Medical School Musashi-Kosugi Hospital, Kanagawa, Japan

(Mitsubishi Tanabe Pharma Corporation)

Room 11 14:10-15:10 Oral Presentation [O48]

AF Ablation 10

Chairs Hiroshi Sohara

The Heart Rhythm Center, Hayama Heart Center, Kanagawa, Japan

Ritsushi Kato

Department of Cardiology, Saitama Medical University, International Medical Center, Saitama, Japan

O48-1 Location of the lesion created by cryoballoon technology; Evaluation of ablated area by NavX system

Koichi Inoue, Koji Tanaka, Yuko Toyoshima, Takafumi Oka, Nobuaki Tanaka, Yoshiyuki Orihara, Yasushi Koyama, Atsunori Okamura, Katsuomi Iwakura, Kenshi Fujii Sakurabashi Watanabe, Cardiovascular Center, Osaka, Japan

O48-2 Pulmonary Venography Score Is an Acute Success Predictor of Pulmonary Vein Isolation by Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

Yasuhiro Sasaki, Atsushi Kobori, Yutaka Furukawa

Department of Cardiology, Kobe City Medical Center General Hospital, Hyogo, Japan

O48-3 Long-term Outcome Following Bi-atrial Ablation by the Use of Radiofrequency Hot Balloon in Long-Standing Persistent Atrial Fibrillation

Yoshio Yamaguchi, Hiroshi Sohara, Yoshinori Nakamura, Minoru Ihara, Satoshi Higuchi, Sunao Mikura, Shutaro Satake

The Heart Rhythm Center, Hayama Heart Center, Kanagawa, Japan

O48-4 The ovality of PV ostia predicts acute success of pulmonary vein isolation using the cryoballloon ablation

Satoru Shimizu, Shigeto Naito, Kohki Nakamura, Eri Goto, Kentaro Minami, Daisuke Kutsuzawa, Masahiro Nakano, Takehito Sasaki, Yoshiaki Yamaguchi, Toshiaki Yano, Koji Kumagai, Shigeru Oshima

Gunma Prefectural Cardiovascular Center, Gunma, Japan

O48-5 Feasibility and Efficacy of Cryoballoon Ablation in a Patient with Paroxysmal Atrial Fibrillation - Comparison with Radiofrequency Segmental Pulmonary Vein Antrum Isolation-

Michifumi Tokuda, Seiichiro Matsuo, Kenichi Tokutake, Kenichi Yokoyama, Mika Hioki, Ryohsuke Narui, Shin-ichi Tanigawa, Keiichi Inada, Kenri Shibayama, Michihiro Yoshimura, Teiichi Yamane

Division of Cardiology, The Jikei University School of Medicine, Tokyo, Japan

Room 11 15:10-16:10 Oral Presentation [O49]

AF Ablation 11

Chairs Shigeto Naito

Department of Cardiology, Gunma Cardiovascular Center, Gunma, Japan

Kazuhiro Satomi

Department of Cardiology, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan

O49-1 Long-Term Result of Radiofrequency Hot Balloon Ablation in the Patients with Paroxysmal Atrial Fibrillation; Safety and Rhythm Outcome

Yoshio Yamaguchi, Hiroshi Sohara, Yoshinori Nakamura, Minoru Ihara, Satoshi Higuchi, Sunao Mikura, Shutaro Satake

The Heart Rhythm Ceneter, Hayama Heart Center, Kanagawa, Japan

O49-2 Outcome of the Cryoballoon-based pulmonary vein isolation; Comparison between with and without non-pulmonary vein foci

Yukihiro Inamura¹, Junichi Nitta¹, Yosuke Hayashi¹, Yoshikazu Sato¹, Keita Watanabe¹, Masahito Suzuki¹, Ken Negi¹, Tatsuya Hayashi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Kihiro Asakawa¹, Masahiko Goya², Kenzo Hirao²

¹Department of Cardiology, Saitama Red Cross Hospital, Saitama, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

O49-3 The Attempt to Achieve the Pulmonary Vein Carina Isolation Using Cryoballoon

Monami Ando¹, Yukihiko Yoshida¹, Akinori Sairaku², Ryo Watanabe¹, Mayuho Maeda¹, Yasuhiro Ogura¹, Hirohiko Suzuki¹, Hiroki Kamiya¹, Mamoru Nanasato¹, Haruo Hirayama¹ Cardiovascular Center, Nagoya Daini Red Cross Hospital, Aichi, Japan, ²Department of Cardiolgy, Hiroshima City Hospital, Hiroshima, Japan

O49-4 Acute phase efficacy and safety of cryoballoon ablation of paroxysmal atrial fibrillation in comparison with contact-force guided radiofrequency ablation

Masaomi Kimura¹, Daisuke Horiuchi², Kenichi Sasaki¹, Taihei Itoh¹, Noriyoshi Kaname³, Yuji Ishida³, Takahiko Kinjo¹, Shingo Sasaki², Ken Okumura¹

¹Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan, ²Department of Advance Management of Cardiac Arrhythmias, Hirosaki University Graduate School of Medicine, Aomori, Japan, ³Department of Internal Medicine, Chikamori Hospital, Kochi, Japan

O49-5 Evaluation of Diaphragmatic Electromyograms in Radiofrequency Ablation of Atrial Fibrillation

Noboru Ichihara, Makoto Araki, Takamitsu Takagi, Jin Iwasawa, Akio Kuroi, Hiroaki Nakamura, Shinsuke Miyazaki, Hiroshi Taniguchi, Hitoshi Hachiya, Yoshito Iesaka *Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan*

Room 11 16:10-17:10 Oral Presentation [O50]

AF Ablation 12

Chairs Takeshi Tsuchiya

EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan

Taku Asano

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

O50-1 Acute AF termination during ablation targeting for the repetitive periodical activation sequence (RePAs) using contact bipolar mapping

Yuichi Ono¹, Kenichiro Otomo¹, Yuki Osaka¹, Hironori Sato¹, Sawako Yada¹, Taku Fukushima¹, Kenji Koura¹, Toru Miyazaki¹, Tomoko Manno¹, Ken Kurihara¹, Shigeo Shimizu¹, Kenzo Hirao², Mitsuaki Isobe³

¹Department of Cardiology, Ome Municipal General Hospital, Tokyo, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan, ³Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

O50-2 Possible Mechanisms of Effective Rotor Ablation for Chronic Atrial Fibrillation: A Simulation Study

Takashi Ashihara¹, Ryo Haraguchi², Shin Inada², Kazuo Nakazawa², Takeshi Tsuchiya³, Takanori Yamaguchi⁴, Akira Fukui³, Tomoya Ozawa¹, Tetsuhisa Hattori¹, Koichi Kato¹, Minoru Horie¹

¹Department of Cardiovascular Medicine, Shiga University of Medical Science, Shiga, Japan, ²National Cerebral and Cardiovascular Center, Osaka, Japan, ³EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ⁴Department of Cardiology and Clinical Examination, Oita University, Oita, Japan

O50-3 Newly Developed Near-Real-Time Phase Mapping System Called "ExTRa Mapping" Nicely Elucidates Rotors and It Was Preferentially Located at Fibrotic Tissue Border

Akira Fukui¹, Takeshi Tsuchiya¹, Takanori Yamaguchi², Yasutsugu Nagamoto³, Shin Inada⁴, Kazuo Nakazawa⁴, Takashi Ashihara⁵

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Department of Cardiology and Clinical Examination, Oita University, Oita, Japan, ³Division of Cardiology, Saga-Ken Medical Centre Koseikan, Saga, Japan, ⁴National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan, ⁵Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

O50-4 Nearly-missed Versus On-target Rotor Ablation of the Stretched-related Atrial Fibrillation in the Presence of Cholinergic Stimulation

Masatoshi Yamazaki¹, Haruo Honjo¹, Uma Avula², Takashi Ogawa¹, Kaichiro Kamiya¹, Jerome Kalifa²

¹RIEM, Nagoya University, Aichi, Japan, ²CAR, University of Michigan, Ann Arbor, MI, USA

O50-5

Low Voltage Zone (LVZ) Is Closely Related to Repetitively Appearing Rotors: An Analysis with a Novel Phase Mapping System Called "ExTRa Mapping"

Akira Fukui¹, Takeshi Tsuchiya¹, Takanori Yamaguchi², Yasutsugu Nagamoto³, Shin Inada⁴, Kazuo Nakazawa⁴, Takashi Ashihara⁵

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Department of Cardiology and Clinical Examination, Oita University, Oita, Japan, ³Division of Cardiology, Saga-Ken Medical Centre Koseikan, Saga, Japan, ⁴National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan, ⁵Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

Event Hall 10:00-10:40 Educational Seminar2 [EDS2]

教育セミナー(心臓構造学レクチャー2)

EDS2 不整脈の理解に必要な心臓の解剖 (2): 左心系の解剖

井川 修

日本医科大学多摩永山病院内科・循環器内科

Event Hall 11:50-12:50 Luncheon Seminar24 [LS24]

Cardiac Anatomy for Device Therapy

Chair Yuji Nakazato

Department of Cardiology, Juntendo University Urayasu Hospital, Chiba, Japan

LS24-1 Cardiac Anatomy for Device Therapy

Osamu Igawa

Department of Internal Medicine and Cardiology, Nippon Medical School Tama Nagayama Hospital, Tokyo, Japan

(St. Jude Medical Japan Co., Ltd.)

Chaired Poster (1st Lane) 9:00-9:35 Chaired Poster Session [P13]

AF 7

Chairs Yumie Matsui

Department of Cardiology, Saiseikai Izuo Hospital, Osaka, Japan

Kiyoshi Ohtomo

P13-1 Is the incidence of iatrogenic atrial septal defects using radiofrequency transseptal needle higher than conventional transseptal needle?

Shunichi Higashiya¹, Hirosuke Yamaji¹, Takashi Murakami², Shigeshi Kamikawa², Hiroshi Kawamura², Masaaki Murakami², Kazuyoshi Hina²

¹Heart Rhythm Center, Okayama Heart Clinic, Okayama, Japan, ²Department of Cardiology, Okayama Heart Clinic, Okayama, Japan

P13-2 Efficacy and Safety of Minimal New Oral Anticoaglants Interruption Strategy in Patients Undergoing Atrial Fibrillation Ablation

Minako Ohara, Kensuke Matsumoto, Yutaka Take, Kimikazu Banba, Yoshimasa Tsushima, Tohru Ohe

The Sakakibara Heart Institute of Okayama, Okayama, Japan

P13-3 Comparison of the Procedure Time and Success Rate for the Different Rhythms during Catheter Ablation of Atrial Fibrillation

Hitomi Yuzawa, Tadashi Fujino, Toshiki Asada, Hideki Koike, Masaya Shinohara, Ken Kitahara, Toshio Kinoshita, Takeya Suzuki, Atsuko Abe, Hideyuki Sato, Shunji Fukunaga, Kenzaburo Kobayashi, Takanori Ikeda

Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo, Japan

P13-4 Safety of Non-Vitamin K Antagonist Oral Anticoagulants Versus Warfarin for Periprocedural Anticoagulation in Patients Undergoing Radiofrequency Ablation for Atrial Fibrillation

Yasuaki Tanaka, Hideharu Okamatsu, Takuo Tsurugi, Junjiroh Koyama, Toshihiro Honda, Koichi Nakao

Division of Cardiology, Saiseikai Kumamoto Hospital, Kumamoto, Japan

P13-5 Impact of Cryoballoon and Radiofrequency Energy on the Biomarker of Myocardial Injury after Ablation of Atrial Fibrillation

Shin-ichi Tanigawa, Seiichiro Matsuo, Ken-ichi Tokutake, Ken-ichi Yokoyama, Ryohsuke Narui, Mika Hioki, Seigo Yamashita, Michifumi Tokuda, Keiichi Inada, Kenri Shibayama, Satoru Miyanaga, Kenichi Sugimoto, Teiichi Yamane

The Department of Cardiology, The Jikei University School of Medicine, Tokyo, Japan

Chaired Poster (1st Lane) 9:35-10:10 Chaired Poster Session [P14]

AF 8

Chairs Yoshihisa Enjoji

Department of Cardiology, Tokyo Heart Center, Tokyo, Japan

Tatsuya Onuki

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

P14-1 Perimitral Atrial Flutter is Rare but Dominant Type of Atrial Tachyarrhythmia after Box Isolation for Atrial Fibrillation

Taku Nishida, Akihiro Takitsume, Kenji Onoue, Satoshi Okayama, Yukiji Takeda, Makoto Watanabe, Hiroyuki Kawata, Rika Kawakami, Yoshihiko Saito

The First Department of Internal Medicine, Nara Medical University, Nara, Japan

P14-2 Withdrawn

P14-3 Features of Inducible Tricuspid Isthmus Dependent Atrial Flutter and the Clinical Implications after Ablation in Patients with Atrial Fibrillation

Naoto Kino, Toshiya Kurotobi, Takao Tsuchida, Masataka Yoshida, Yoshihisa Shimada *Cardiovascular Division, Shiroyama Hospital, Osaka, Japan*

P14-4 Catheter Ablation for Young Patients with Atrial Fibrillation

Hirohiko Suzuki, Yukihiko Yoshida, Masayuki Nakamura, Ayumi Ito, Ryo Watanabe, Natsu Sekioka, Yu Mori, Yu Yoshiki, Shunsuke Eguchi, Monami Ando, Mayuho Maeda, Yutaka Aoyama, Yasuhiro Ogura, Hiroki Kamiya, Mamoru Nanasato, Haruo Hirayama *Department of Cardiology, Nagoya Daini Red Cross Hospital, Aichi, Japan*

P14-5 Weak contact is the cause of atrial fibrillation recurrence after pulmonary vein isolation

Ken Terata¹, Yoshihisa Abe¹, Haruwo Tashiro¹, Ken Kadowaki¹, Takashi Koyama², Hiroshi Ito²

¹Department of Cardiology, Akita Medical Center, Akita, Japan, ²Division of Cardiovascular Medicine and Respiratory Medicine, Akita University Graduate School of Medicine, Akita, Japan

Chaired Poster (1st Lane) 10:10-10:45 Chaired Poster Session [P15]

AF 9

Chairs Akira Sato

Department of Cardiology, Saitama Red Cross Hospital, Saitama, Japan

Seiji Fukamizu

Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo, Japan

P15-1 Atrial Fibrillation Termination Site in the Left Atrium is Associated with Fibrillatory Cycle Length Gradient between the Left and Right Atrium

Mayumi Masumura¹, Yoshihide Takahashi¹, Shinsuke Iwai¹, Naoyuki Miwa¹, Yasuhiro Sato¹, Kenzo Hirao²

¹Department of Cardiology, National Disaster Medical Center, Tokyo, Japan, ²Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

P15-2 The difference of heart rate variability in cryoballoon ablation group compared with radiofrequency ablation group for atrial fibrillation

Akira Sato, Junichi Nitta, Yosuke Hayashi, Yoshikazu Sato, Keita Watanabe, Yukihiro Inamura, Masahito Suzuki, Ken Negi, Tatsuya Hayashi, Tsunehiro Yamato, Yutaka Matsumura, Kihiro Asakawa

Department of Cardiology, Saitama Red Cross Hospital, Saitama, Japan

P15-3 Signal-averaged P-wave Duration Measured by Signal-averaged Electrocardiogram Indicates Correlation with Left Atrium Low Voltage Areas

Daisuke Kutsuzawa, Koji Kumagai, Satoru Shimizu, Yoshiaki Yamaguchi, Toshiaki Yano, Masahiro Nakano, Kentaro Minami, Takehito Sasaki, Kohki Nakamura, Shigeto Naito, Shigeru Oshima

Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan

P15-4 Reduced residual conduction gaps and favorable outcome in contact force-guided circumferential pulmonary vein isolation

Taihei Itoh¹, Shingo Sasaki², Masaomi Kimura¹, Daisuke Horiuchi², Yuji Ishida¹, Takahiko Kinjo¹, Ken Okumura¹

¹The Department of Cardiovascular Medicine, University of Hirosaki Graduate School of Medicine, Aomori, Japan, ²The Department of Advanced Management of Cardiac Arrhythmias, University of Hirosaki Graduate School of Medicine, Aomori, Japan

P15-5 Improvement of quality of life by pulmonary vein isolation in persistent atrial fibrillation patients

Masaru Kato, Junichiro Miake, Kazuyoshi Ogura, Kazuhiko Iitsuka, Takehito Kondo, Kazuhiro Yamamoto

Division of Cardiovascular Medicine, Department of Molecular Medicine and Therapeutics, Faculty of Medicine, Tottori University, Tottori, Japan

Chaired Poster (1st Lane) 10:45-11:20 Chaired Poster Session [P16]

AF 10

Chairs Kazuhiko Tanaka

Heart Center Arrhythmia Unit, Kasukabe Chuo General Hospital, Saitama, Japan

Norishige Morita

Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo, Japan

P16-1 Lack of correlation between left atrial voltage on coronary sinus and ablation outcome in patients with persistent atrial fibrillation

Yoshimitsu Otsuka¹, Koji Azegami¹, Kazuya Murata¹, Keita Handa¹, Shingo Watanabe¹, Tae Ishikawa¹, Kaoru Sakurai¹, Kaoru Okishige³, Kenzo Hirao², Mitsuaki Isobe²

¹Department of Cardiovascular Medicine, Shinyurigaoka General Hospital, Kanagawa, Japan, ²Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan, ³Heart Center, Yokohama City Bay Red Cross Hospital, Kanagawa, Japan

P16-2 Successful Cardioversion after Pulmonary Vein Isolation in Cardioversion -Tolerant Persistent and Paroxysmal Atrial Fibrillation

Hiroshi Shimizu, Yusuke Tamura

Cardiology, Saiseikai Niigata Second Hospital, Niigata, Japan

P16-3 A successful case of ablation of pulmonary vein tachycardia from the origin of right superior pulmonary vein after right pulmonary vein isolation

Hiroki Yorifuji, Yasayuki Egami, Nobuhiko Makino, Ryu Shutta, Masami Nishino *Osaka Rosai Hospital, Osaka, Japan*

P16-4 Local Electrogram of Successful Ablation Site of Premature Ventricular Contraction with Endocardial Origin

Yosuke Nakatani¹, Koichi Mizumaki¹, Shigeto Naito², Koji Kumagai², Kohki Nakamura², Kentaro Minami², Shigeru Oshima², Hiroshi Inoue¹

¹The Second Department of Internal Medicine, University of Toyama, Toyama, Japan, ²Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan

P16-5 A case with arrhythmogenic potential for atrial fibrillation within the remnant of a pulmonary vein

Shigeki Hiramatsu, Katsumasa Sato, Yoshimasa Morimoto, Hiroki Yamane, Arata Hagikura, Yuetsu Kikuta, Masahito Taniguchi, Kenji Goto, Hideo Takebayashi, Seiichi Haruta

Fukuyama Cardiovascular Hospital, Hiroshima, Japan

Chaired Poster (1st Lane) 14:30-15:05 Chaired Poster Session [P17]

AF 11

Chairs Takeshi Tsuchiya

EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan

Taku Asano

Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

P17-1 The Safety and Efficacy of Superior Vena Cava Isolation by Use of Irrigated Ablation System with Electro-Anatomical Mapping for Paroxysmal Atrial Fibrillation

Kazuhiko litsuka, Junichiro Miake, Kazuyoshi Ogura, Masaru Kato, Takehito Kondo, Kazuhiro Yamamoto

Division of Cardiovascular Medicine, Department of Molecular Medicine and Therapeutics, Faculty of Medicine, Tottori University, Tottori, Japan

P17-2 The ablation of ridge from the left atrial appendage in the extensive encircling pulmonary vein isolation facilitates mitral isthmus ablation

Masaya Fujita, Shinji Kaneko, Shingo Narita, Tomoaki Haga, Daisuke Hayashi, Taiki Ohashi, Ryuji Kubota, Masanori Shinoda

Toyota Kosei Hospital, Aichi, Japan

P17-3 Acute result of cryoballoon ablation for persistent atrial fibrillation compared to for paroxysmal atrial fibrillation

Yasuhiro Ogura, Yukihiko Yoshida, Hirohiko Suzuki, Monami Ando, Ryo Watanabe, Masayuki Nakamura, Ayumi Ito, Yu Yoshiki, Natsu Sekioka, Shunsuke Eguchi, Mayuho Maeda, Yutaka Aoyama, Hiroki Kamiya, Mamoru Nanasato, Haruo Hirayama Cardiology Center, Nagoya Daini Red Cross Hospital, Aichi, Japan

P17-4 Evaluation of High Contact Force-based Radio Frequency Ablation in Patients with Persistent Atrial Fibrillation

Yu Nomura, Chikara Oshiro

Cardiology, Chubu Tokushukai Hospital, Okinawa, Japan

P17-5 Sinus Rhythm Maintenance by Catheter Ablation Can Improve Cardiac Function in Patients with Persistent Atrial Fibrillation

Yoshiaki Inoue, Kinya Shirota, Hiroshige Ishii, Fumiyo Tsunoda, Kiyotaka Yanagihara, Masayuki Hirai, Asao Mimura

Department of Cardiovascular Medicine, Matsue Red Cross Hospital, Shimane, Japan

Chaired Poster (1st Lane) 15:05-15:33 Chaired Poster Session [P18]

Imaging

Chairs Taketsugu Tsuchiya

Division of Trans-catheter Cardiovascular Therapeutics, Kanazawa Medical University Hospital, Ishikawa, Japan

Tetsuo Sasano

Department of Biofunctional Informatics, Tokyo Medical and Dental University, Tokyo, Japan

P18-1 Relationship between sympathetic nervous system innervation and tachyarrhythmia in patients with a history of paroxysmal palpitation

Yasushi Akutsu¹, Taku Asano², Youichi Kobayashi²

¹Department of Internal Medicine (Cardiology), Clinical Research Center for Clinical Pharmacology & Therapeutics, Showa University Karasuyama Hospital, Tokyo, Japan, ²Division of Cardiology, Department of Medicine, Showa University School of Medicine, Tokyo, Japan

P18-2 Targeted Endomyocardial Biopsy Using Intracardiac Echocardiography and Electroanatomical Voltage Mapping in Cardiac Sarcoidosis Forming a Right Ventricular Tumor

Kazuhiro Kimura, Koji Yoshie, Wataru Shoin, Takahiro Takeuchi, Ayako Okada, Morio Shoda, Uichi Ikeda

Department of Cardiovascular Medicine, Shinshu University School of Medicine, Nagano, Japan

P18-3 Delayed imaging of multidetector computed tomography may be adequate enough to detect intracardiac thrombi in atrial fibrillation ablation

Shinji Ishimaru¹, Mariko Kawasaki¹, Risa Kakinoki¹, Masahiro Takahata¹, Motohito Tadokoro¹, Shunsuke Kitani¹, Teppei Sugaya¹, Tadashi Igarashi¹, Hiroaki Okabayashi¹, Jungo Furuya¹, Yasumi Igarashi¹, Keiichi Igarashi¹, Masaki Tabata²

¹Division of Cardiology, Cardiovascular Center, Japan Community Health Care Organization Hokkaido Hospital, Hokkaido, Japan, ²Division of Medical Engineering, Japan Community Health Care Organization Hokkaido Hospital, Hokkaido, Japan

P18-4 Feasibility of Temporary Figure of Eight Subcutaneous Suture after Femoral Vein Puncture

Yae Matsuo¹, Petr Neuzil², Yoshiaki Kaneko¹, Masahiko Kurabayashi¹

¹Department of Cardiology, Gunma University Hospital, Gunma, Japan, ²Department of Cardiology, Homolka Hospital, Czech Republic

Chaired Poster (1st Lane) 15:33-16:22 Chaired Poster Session [P19]

Anticoagulant

Chairs Toshikazu Funazaki

Saiseikai Kawaguchi General Hospital, Saitama, Japan

Kenichiro Otomo

Department of Cardiology, Ome Municipal General Hospital, Tokyo, Japan

P19-1 Higher Amount of Heparin with Apixaban Compared to Warfarin and Other Non-VKA Oral Anticoagulants in the peri-Ablation for Atrial Fibrillation

Toshio Kinoshita, Tadashi Fujino, Hideki Koike, Masaya Shinohara, Toshiki Asada, Ken Kitahara, Hitomi Yuzawa, Takeya Suzuki, Hideyuki Sato, Atsuko Abe, Shunji Fukunaga, Kenzaburo Kobayashi, Takanori Ikeda

Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo, Japan

P19-2 Which Peptic Ulcer Agent Reduces Gastrointestinal Adverse-effects Caused by Dabigatran?

Satoshi Tokimasa¹, Yoshiyuki Hama², Yuji Matsudo², Yoshihide Fujimoto², Toshiharu Himi², Yuuki Fujiwara³, Juntarou Deyama³, Ken Umetani³, Yoshio Kobayashi¹

¹Department of Cadiovascular Medicine, Chiba University, Chiba, Japan, ²Department of Cardiology, Kimitsu Chuo Hospital, Chiba, Japan, ³Department of Cardiology, Yamanashi Prefectural Central Hospital, Yamanashi, Japan

P19-3 Prescription Trending, Safety, and Efficacy of New Oral Anticoagulants (NOACs) in a Single Facility

Yoshinari Goseki, Yoshinao Yazaki, Ken Takarada, Akira Yamashina Department of Cardiology, Tokyo Medical University, Tokyo, Japan

P19-4 The effect of the cessation of NOACs periablation on anticoagulation during AF ablation

Takatoshi Shigeta¹, Hiroyuki Okada¹, Masahiro Hada¹, Masao Yamaguchi¹, Tatsuya Fujinami¹, Go Ishimaru¹, Hiroshi Inagaki¹, Nobuo Toshida¹, Toshihiko Takamoto¹, Kenzo Hirao²

¹Cardiovascular Medicine, Soka Municipal Hospital, Saitama, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

P19-5 How do we choose one from among 3 NOACs in patients with atrial fibrillation?

Kazuya Ishibashi, Ayumu Fujioka, Yoshiki Akakabe

Department of Cardiology, Saiseikai Kyoto Hospital, Kyoto, Japan

P19-6 Efficacy and Safety of Oral Rivaroxaban and Dabigatran in Elderly Patients with Non-Valvular Atrial Fibrillation

Naohiko Sahara, Yoshinari Enomoto, Yasutake Toyoda, Takahito Takagi, Yuriko Narabayashi, Hikari Hashimoto, Naoshi Ito, Shingo Kujime, Takao Sakata, Mahito Noro, Kaoru Sugi

Division of Cardiovascular Medicine Toho University Ohashi Medical Center, Tokyo, Japan

P19-7 Real world of the pharmacological treatment of anti-thrombotic therapy in atrial fibrillation cases in clinical practice

Nitaro Shibata

Shinjuku Mitsui Building Clinic, Tokyo, Japan

Chaired Poster (2nd Lane) 9:00-9:35 Chaired Poster Session [P20]

VT 3

Chairs Tomoo Harada

Department of Cardiology, St. Marianna University School of Medicine, Kanagawa, Japan

Motoki Hara

Department of Cardiology, Higashihiroshima Medical Center, Hiroshima, Japan

P20-1 A case of successful epicardial ablation for sustained ventricular tachycardia associated with dilated cardiomyopathy

Masatsugu Nozoe¹, Satoshi Tsujioka¹, Yoji Mannouji¹, Takeshi Serikawa¹, Nobuhiro Suematsu¹, Tooru Kubota¹, Masanori Okabe¹, Yusuke Yamamoto¹, Kyoko Soejima² ¹Division of Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka, Japan, ²Division of Cardiology, Kyorin University, Tokyo, Japan

Usefulness of Intracardiac Echocardiography (CARTO SOUND) to Guide Ablation for Ventricular Arrhythmia Originated from Aortic Cusp

Fumito Miyoshi, Miwa Kikuchi, Kaoru Tanno

Division of Cardiology Department of Medicine Showa University Koto Toyosu Hospital, Tokyo, Japan

P20-3 Radiofrequency Catheter Ablation in Three Young Patients with Cardiac Arrest Induced by Ventricular Tachyarrhythmias

Yasuhiko Hori

Department of Cardiology, Matsudo City Hospital, Chiba, Japan

P20-4 A case of ventricular tachycardia originated from the Purkinje fiber near the posterior papillary muscle

Mizuki Kato, Minoru Sato, Keisuke Otsu, Asami Kikuchi, Tsuneaki Honma, Takuya Myojo, Harutatsu Muto, Hiroshi Komatsu, Takeaki Kaneko, Masaaki Fujita, Junichi Teranishi, Takashi Takenaka

Division of Cardiology, Hokkaido Medical Center, Hokkaido, Japan

P20-5 The case that left ventricle posterior papillary muscle had a hard time for the PVC ablation of the origin

Shioto Yasuda¹, Shunsuke Yoda¹, Hirotaka Noda¹, Taku Yokoyama¹, Takeshi Arita¹, Keita Odashiro¹, Toru Maruyama², Koichi Akashi¹, Mitsuhiro Fukata³, Kazutaka Aonuma³

¹The First Department of Internal Medicine, University of Kyushu, Fukuoka, Japan, ²Faculty of Arts and Science, University of Kyushu, Fukuoka, Japan, ³Cardiovascular Division, Institute of Clinical Medicine, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Ibaraki, Japan

Chaired Poster (2nd Lane) 9:35-10:10 Chaired Poster Session [P21]

Devices 3

Chairs Toshimasa Tosaka

Department of Cardiology, Tokyo Rinkai Hospital, Tokyo, Japan

Toshihiro Nakamura

Department of Cardiology, NHO Kyushu Medical Center, Fukuoka, Japan

P21-1 Development of an innovative reporting system that enables the automatic archiving of remote monitoring alerts of pacing devices

Tetsuyuki Manaka¹, Morio Shoda¹, Koichiro Ejima¹, Daigo Yagishita¹, Ken Kato¹, Ryuta Henmi¹, Nobuhisa Hagiwara¹, Akihiro Tsukamoto², Kuniyoshi Shinya³

¹Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan, ²Toshiba Medical Systems Inc., Tochigi, Japan, ³Soft Quality Inc., Kyoto, Japan

P21-2 Application of standard operating procedure for CIED patient care with remote monitoring system

Toru Asai¹, Kiyokazu Shimizu¹, Koji Arata², Katsuhiro Otsubo², Kazufumi Okumura², Hiroyuki Nagase², Kentaro Mase², Yosuke Hayashi²

¹Department of Cardiology, Ichinomiya Municipal Hospital, Aichi, Japan, ²Department of Clinical Engeneering, Ichinomiya Municipal Hospital, Aichi, Japan

P21-3 The impact of catheter ablation for avoiding pacemaker implantation in patients with bradycardia-tachycardia syndrome

Yoshikazu Watanabe, Yukiko Nakano, Takehito Tokuyama, Hiroshi Kawazoe, Hiroya Matsumura, Shunsuke Tomomori, Shinji Kishimoto, Yasuki Kihara

Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima, Japan

P21-4 Estimation of the location of implantable cardiac electrical device leads using transthoracic 3-dimentional echocardiography

Akihiro Sunaga, Masaharu Masuda, Takashi Kanda, Yasuhiro Matsuda, Masashi Fujita, Osamu Iida, Shin Okamoto, Takayuki Ishihara, Kiyonori Nanto, Tatsuya Shiraki, Takuya Tsujimura, Koji Yanaka, Shota Okuno, Masaaki Uematsu

Kansai Rosai Hospital Cardiovascular Center, Hyogo, Japan

P21-5 A review of safety and efficacy of oblique extrathoracic puncture method in device implantation and lead addition

Risa Kakinoki, Shinji Ishimaru, Mariko Kawasaki, Motohito Tadokoro, Shunsuke Kitani, Teppei Sugaya, Tadashi Igarashi, Hiroaki Okabayashi, Jungo Furuya, Yasumi Igarashi, Keiichi Igarashi

Cardiovascular Center, JCHO Hokkaido Hospital, Hokkaido, Japan

Chaired Poster (2nd Lane) 10:10-10:45 Chaired Poster Session (Medical Professionals) [MP1]

ICD(メディカルプロフェッショナル)

座長 須藤恭一

新山手病院 心臓血管外科

大森裕也

日本医科大学 心臓血管外科

MP1-1 設定レートを下回るslow VT中に短い連結期のPVCが入ったことによる不適切作動の 1 例

小林 凉', 竹内 均', 吉沢 崇', 芳賀 拓', 山口智也', 高橋美帆', 飯塚 宏', 水口紀隆', 東祐圭²

¹岡村記念病院ME科, ²岡村記念病院不整脈センター

MP1-2 VTzone180bpm、VFzone250bpm設定時のATP治療後からショック治療までの時間の検討

熊谷英明', 富永新平², 山崎恭平², 小池直樹³, 小坂利幸⁴

¹昭和伊南総合病院臨床工学室、²昭和伊南総合病院循環器科、³甲府共立病院循環器科、⁴おさか循環器クリニック

MP1-3 CRTDにおける心室ペーシング後のブランキング延長によるT波オーバーセンス回避の方法

一柳 宏', 因田恭也', 吉田直樹', 佐藤有紀', 服部哲斎'

1名古屋大学医学部附属病院臨床工学技術部,2名古屋大学医学系研究科循環器内科学

MP1-4 パルス幅固定化により除細動閾値が低減したBrugada症候群の1例

島野寛也¹, 戸叶隆司², 高野梨絵¹, 小田切史徳², 小松さやか³, 田淵晴名³, 関田 学³, 住吉正孝⁴, 中里祐二², 代田浩之³

¹順天堂大学医学部附属浦安病院臨床工学室,²順天堂大学医学部附属浦安病院循環器内科,³順天堂大学医学部附属順天堂医院循環器内科,⁴順天堂大学医学部附属練馬病院循環器内科

MP1-5 ICD診断機能により虚血イベントを疑い早期発見ができた 1 例~遠隔モニタリング STエピソード~

奥田泰三, 松尾仁司, 土屋邦彦, 大久保宗則, 三宅泰次 岐阜ハートセンター臨床工学技士科

Chaired Poster (2nd Lane) 10:45-11:20 Chaired Poster Session (Medical Professionals) [MP2]

アブレーション1 (メディカルプロフェッショナル)

座長 吉田明弘

北幡麿総合医療センター 循環器内科

松尾征一郎

東京慈恵会医科大学附属病院 循環器内科

MP2-1 心房細動アブレーションを受ける患者への術前訪問の効果に関する検討

殿川麻美,慶田毅彦,藤田雅樹,内間夏代,松谷眞由美,高橋美羽,礪波真弓,三田村和信,榎本晃子

江戸川病院循環器内科

MP2-2 3Dマッピングシステムを用いた心房細動アブレーションにおけるCT Merge法2 種の比較

根津将夫¹,横山慎二¹,宫下真希¹,古賀悠介¹,田辺貴幸¹,吉田 譲¹,関口 敦¹,長瀬宇彦²,松 本万夫².加藤律史²

¹埼玉医科大学国際医療センターMEサービス部、²埼玉医科大学国際医療センター心臓内科

MP2-3 肺静脈隔離術後にZipサージカルクロージャー®を使用した止血効果

齊藤彩乃¹, 野崎麻衣¹, 渡邊規子¹, 岡元弥生¹, 梅野直美¹, 稲葉 理², 山内康照², 関川雅裕², 山下 周², 平尾龍彦²

'武蔵野赤十字病院看護部, '武蔵野赤十字病院循環器科

MP2-4 当院における冷凍カテーテルアブレーション後の穿刺部出血発症率の検討

宮本亜紀1. 鉾之原寛代1. 田中宣暁2. 井上耕一2

¹特定医療法人渡辺医学会桜橋渡辺病院看護部,²特定医療法人渡辺医学会桜橋渡辺病院

MP2-5 当院における横隔膜筋電位モニタリング(CMAP)の有用性

中農陽介¹, 小堀敦志², 佐々木康博², 石井利英¹, 田中雄己¹, 山城悠葵¹, 中村悟士¹, 水上千尋¹, 吉川真由美¹, 吉田哲也¹, 井上和久¹, 坂地一朗¹, 古川 裕²

¹神戸市立医療センター中央市民病院臨床工学技術部、²神戸市立医療センター中央市民病院循環器内科

Chaired Poster (2nd Lane) 14:30-15:05 Chaired Poster Session [P22]

ECG Assessment 2

Chairs Yuji Kasamaki

Department of Internal Medicine, Nihon University Itabashi Hospital, Tokyo, Japan

Hiroko Nawata

Department of Internal Medicine, Edogawa Hospital, Tokyo, Japan

P22-1 Risk Stratification of Ventricular Fibrillation in Brugada Syndrome Using Non-invasive Scoring Methods

Hiroshi Kawazoe, Yukiko Nakano, Takehito Tokuyama, Akinori Sairaku, Hiroya Matsumura, Shunsuke Tomomori, Shinji Kishimoto, Yasuki Kihara

Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima, Japan

Usefulness of Implantable Loop Recorder in detecting arrhythmic or nonarrhythmic events with unexplained syncope

Takeshi Matsuura¹, Kazumasa Adachi¹, Yasutaka Hirayama¹, Hideya Suehiro¹, Tomomi Akita¹, Yukinori Kato¹, Hiroki Takada¹, Kohei Kamemura¹, Akira Matsuura¹, Masahito Kawata¹, Susumu Sakamoto¹, Kenji Fukui², Rieko Tsuboi²

¹Division of Cardiology, Akashi Medical Center, Hyogo, Japan, ²Division of Clinical Engineering, Akashi Medical Center, Hyogo, Japan

P22-3 Age-dependent Difference of Baroreflex Sensitivity in Patients with Reflex Syncope

Yosuke Miwa¹, Kyoko Soejima¹, Toshiaki Sato¹, Akiko Ueda¹, Ikuko Togashi¹, Kyoko Hoshida¹, Satoshi Higuchi¹, Noriko Matsushita¹, Yuichi Momose¹, Hideki Sato², Hideaki Yoshino¹

¹Second Department of Internal Medicine, Kyorin University School of Medicine, Tokyo, Japan, ²Clinical Laboratory, Kyorin University Hospital, Tokyo, Japan

P22-4 QRST angle as a predictor of LV dysfunction and dyssynchrony

Munehiro liya¹, Masato Shimizu¹, Kikou Ri¹, Rei Masuda¹, Rena Nakamura¹, Yasuaki Hada¹, Kuniaki Nakano¹, Tomomasa Takamiya¹, Hiroshi Shimada¹, Hiroyuki Fujii¹, Noriyoshi Yamawake¹, Mitsuhiro Nishizaki¹, Harumizu Sakurada², Mitsuaki Isobe³, Masayasu Hiraoka⁴

¹Yokohama Minami Kyosai Hospital, Kanagawa, Japan, ²Ohkubo Hospital, Tokyo, Japan, ³Tokyo Medical and Dental University, University Hospital of Medicine, Tokyo, Japan, ⁴Toride Kitasoma Medical Center Hospital, Ibaraki, Japan

P22-5 Distribution of the measurement of the synthesized additional chest lead of electrocardiogram in schoolchildren screening

Jiro Suto¹, Norio Takeuchi³, Satoshi Yasukouchi²

¹Engineering Department 1, Biomedical Instrument Business Operations, Nihon Kohden Corporation, Tokyo, Japan, ²Circulation Internal Medicine, Nagano Children's Hospital, Nagano, Japan, ³Takeuchi Children's Clinic

Chaired Poster (2nd Lane) 15:05-15:40 Chaired Poster Session [P23]

SVT 1

Chairs Fumio Suzuki

Department of Cardiovascular Medicine, Fukujuji Hospital, Tokyo, Japan

Masamitsu Adachi

Department of 4th Cardiology, Sanin Rosai Hospital, Tottori, Japan

P23-1 Pericardial effusion from a right atrial appendage pocket

Erika Yamashita¹, Kazuyuki Tanoue¹, Norihito Nuruki¹, Masahiro Sonoda¹, Osamu Igawa² ¹2nd Division of Cardiovascular Medicine, National Hospital Organization, Kagoshima Medical Center, Kagoshima, Japan, ²Depatment of Internal Medicine and Cardiology Nippon Medical School Tama-Nagayama Hospital, Tokyo, Japan

P23-2 A case of supraventricular tachycardia that was difficult to distinguish atrio-ventricular junctional tachycardia and adenosine-sensitive atrial reentant tachycardia

Keisuke Miyajima, Hayato Otani, Tomoaki Sakakibara

Cardiology, Seirei Mikatahara General Hospital, Shizuoka, Japan

P23-3 A case report of atrioventricular nodal reentrant tachycardia with the multiple pathway affected by isoproterenol and sedation

Hajime Saeki, Miwa Miyoshi, Miho Kuramoto, Shumpei Kosugi, Tomoka Tabata, Hiroyasu Inui, Takashi Mukai, Yusuke Kobayashi, Masami Nakagawa, Nobuyuki Ogasawara, Shinji Hasegawa

JCHO Osaka Hospital, Osaka, Japan

P23-4 Safety and efficacy of slow pathway ablation with irrigated catheter

Takuro Nishimura, Yasuhiro Shirai, Susumu Tao, Takeshi Sasaki, Tetsuo Sasano, Mihoko Kawabata, Masahiko Goya, Kenzo Hirao

Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

P23-5 A Case Report of Successful Catheter Ablation of Polymorphic Wide QRS Tachycardia

Yoshimasa Morimoto¹, Shigeki Hiramatsu¹, Arata Hagikura¹, Katsumasa Sato¹, Shogo Mukai², Seiichi Haruta¹

¹Department of Cardiology, Fukuyama Cardiovascular Hospital, Hiroshima, Japan, ²Department of Cardiovascular Surgery, Fukuyama Cardiovascular Hospital, Hiroshima, Japan

Chaired Poster (2nd Lane) 15:40-16:22 Chaired Poster Session (Medical Professionals) [MP3]

ペースメーカー(メディカルプロフェッショナル)

座長 丹野 郁

昭和大学江東豊洲病院 循環器内科

橋本賢一

防衛医科大学校 集中治療部

MP3-1 デバイス植え込み患者における心房細動のリスクファクターと心房細動発生との関係

脇田亜由美',仲村健太郎',福山信隆',萬正寬子',山内惇熙',柴田祐治郎',具志幸樹',翁長加世子',花城 緑',比嘉勇吾',國場太輔',兒玉健志',山下慶子²,名護元志²,川島朋之²,宮城直人²,島尻正紀²,國吉達也²,上原裕規²

¹仁愛会浦添総合病院ME科,²仁愛会浦添総合病院循環器内科

MP3-2 ペースメーカ植込み時のPSAによる測定と本体接続後のプログラマによる測定の 波高値の変動の傾向

中島 修¹, 吉田幸司¹, 富沢直樹¹, 鈴木綾子¹, 佐藤 明², 新田順一² ¹ さいたま赤十字病院臨床工学技術課, ² さいたま赤十字病院循環器科

MP3-3 植込み型デバイス自動閾値測定機能の評価

岩藤 晋¹,坂手克彰¹,竹中祐樹¹,三好章仁²,久保元基²,西井伸洋² ¹岡山大学病院臨床工学部,²岡山大学病院循環器内科

MP3-4 通常の心房リードを使用した際のFFRW回避におけるPVAB調整の有用性

岡崎真紀子¹,井上完起²,矢川真弓子²,林 常夫¹,川幡俊夫¹,梅村 純²,友池仁暢² 公益財団法人日本心臟血圧研究振興会附属榊原記念病院臨床工学科,²公益財団法人日本心臟血圧研究振興会附属榊原記念病院循環器内科

MP3-5 上室性頻拍性不整脈に対する、ATP機能の検討

都築 裕¹, 武藤崇史¹, 森本志保¹, 梅田修平¹, 平原真彦¹, 海江田章¹, 坂口俊樹¹, 川上 徹² ¹社会医療法人杏嶺会一宮西病院医療機器管理室, ²社会医療法人杏嶺会一宮西病院不整脈科

MP3-6 発作性心房細動を認める患者に対し抗頻拍ペーシングが有用であった1例

武藤崇史¹,都築 裕¹,森本志保¹,梅田修平¹,平原真彦¹,海江田章¹,坂口俊樹¹,川上 徹² ¹社会医療法人杏嶺会一宮西病院医療機器管理室,²社会医療法人杏嶺会一宮西病院不整脈科

Chaired Poster (2nd Lane) 16:22-16:57 Chaired Poster Session (Medical Professionals) [MP4]

心電図1(メディカルプロフェッショナル)

座長 渡邉嘉之

日本医科大学付属病院 心臓血管外科/医療法人社団葵会川崎南部病院 心臓血管外科

山本 賢

藤田保健衛生大学 ME管理室

MP4-1 指尖容積脈波を用いた末梢血管自律神経機能評価

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MP4-2 電気生理学的検査では検出できずトレッドミル検査で検出しえた高度房室ブロック にステロイド治療が奏功した心サルコイドーシスの一例

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MP4-3 取り下げ

MP4-4 ホルター心電図記録中に徐脈から心停止に至った3例の報告

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MP4-5 取り下げ