Program

Friday, 31 July

Room 1 8:30-10:00 Symposium11 [SP11]

Therapeutic Strategy for Ventricular Tachycardia—"The New Concepts"—

Chairs Hideo Mitamura

Tachikawa Hospital, Tokyo, Japan

Harumizu Sakurada

Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital, Tokyo, Japan

SP11-1 Epicardial ablation for ventricular tachycardia: How can complications be prevented?

Seiji Fukamizu¹, Takeshi Kitamura¹, Rintaro Hojo¹, Kiyotaka Yoshida¹, Satoshi Miyazawa¹, Akihiro Nakada¹, Iwanari Kawamura¹, Yuichi Moriyama¹, Ken Arai¹, Toshiki Kaihara¹, Motohiro Asaki¹, 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 Kitasohma Medical Center Hospital, Ibaraki, Japan

SP11-2 Endo-Epicardial Substrate-Based Approach to Ventricular Tachycardia Ablation Targeting Local Abnormal Ventricular Activities

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

SP11-3 The usefulness of the ratio of low voltage zone in endocardial unipolar voltage map to epicardial bipolar voltage map for catheter ablation of ventricular tachycardia

Koji Miyamoto¹, Takashi Noda¹, Kazuhiro Satomi², Mitsuru Wada¹, Ikutaro Nakajima¹, Kohei Ishibashi¹, Hideo Okamura¹, Takeshi Aiba¹, Shiro Kamakura¹, Kengo Kusano¹
¹Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ²Department of Cardiology, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan

SP11-4 Ventricular arrhythmias near the distal great cardiac vein: A challenging arrhythmia for ablation

Koichi Nagashima¹, Usha B. Tedrow², Bruce A. Koplan², Gregory F. Michaud², Roy M. John², Laurence M. Epstein², Michifumi Tokuda², Keiichi Inada², William G. Stevenson² ¹Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan, ²Arrhythmia Unit, Cardiovascular Division, Brigham and Women's Hospital, USA

SP11-5 Determining the Optimal Ablation Site for Coronary Cusp and Pulmonary Artery Ventricular Tachycardia in Patients With and Without Discrete Prepotentials

Hitoshi Hachiya¹, Makoto Araki¹, Noboru Ichihara¹, Takamitsu Takagi¹, Jin Iwasawa¹, Akio Kuroi¹, Hiroaki Nakamura¹, Shinsuke Miyazaki¹, Hiroshi Taniguchi¹, Yasuteru Yamauchi³, Kenzo Hirao², Yoshito Iesaka¹

¹Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan, ²Tokyo Medical and Dental University, Heart Rhythm Center, Tokyo, Japan, ³Department of Cardiology Musashino Red Cross Hospital, Tokyo, Japan

SP11-6 Clinical and electrocardiographic characteristics of idopathic ventricular tachycardia originating from the cardiac crux

Mitsuharu Kawamura, Yumi Munetsugu, Tatsuya Onuki, Yoshino Minoura, Norikazu Watanabe, Taro Adachi, Taku Asano, Youichi Kobayashi

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

Room 1 10:00-11:30 Symposium12 [SP12]

Balloon Technology for AF Ablation Current Status and Future

Chairs Kenzo Hirao

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

Koichiro Kumagai

Heart Rhythm Center, Fukuoka Sanno Hospital, Fukuoka, Japan

SP12-1 Cryo-balloon ablation for paroxysmal atrial fibrillation

Kaoru Okishige

Heart Center, Yokohama-City Bay Red Cross Hospital, Kanagawa, Japan

SP12-2 New strategy for atrial fibrillation ablation using a radiofrequency hot balloon catheter—Concept and pitfalls for preventing balloon specific complications—

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

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

SP12-3 Laser balloon ablation

Boris Schmidt

Cardioangiologisches Centrum Bethanien, Germany

SP12-4 Acute efficacy of cryoballoon vs irrigated radiofrequency ablation for the treatment of paroxysmal atrial fibrillation

Hideko Toyama, Koichiro Kumagai

Heart Rhythm Center, Fukuoka Sanno Hospital, Fukuoka, Japan

SP12-5 Cryothermal Pulmonary Vein Isolation in Patients with Paroxysmal Atrial Fibrillation: Three-minute Freeze Technique using one 28-mm Second-generation Cryoballoon

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

SP12-6 Cryoballoon ablation for AF: Summary of the Japanese Post-Market Survey (PMS)

Ken Okumura¹, Kazuo Matsumoto², Akihiko Nogami³, Yoshinori Kobayashi⁴

¹Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan, ²Department of Cardiology, Higashimatsuyama Medical Association Hospital, Saitama, Japan, ³Department of Cardiology, Tsukuba University Graduate School of Medicine, Ibaraki, Japan, ⁴Department of Cardiology, Tokai University Hachioji Hospital, Tokyo, Japan

Room 1 11:50-12:50 Luncheon Seminar25 [LS25]

120,000 Cryo ablations Worldwide: What did we learn? ★

Chair Ken Okumura

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

LS25-1 120,000 Cryo ablations Worldwide: What did we learn?

Andreas Metzner

Asklepios Klinik St. Georg , Germany

(Medtronic Japan Co., Ltd.)

Room 1 13:00-14:30 Symposium13 [SP13]

Resolution of the Mechanism of Atrial Fibrillation and Its Application 2—Rotor Mapping Its Theory and Reality— ★

Chairs Ken Okumura

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

Shih-Ann Chen

National Yang Ming University, Taiwan

SP13-1

Shih-Ann Chen

National Yang Ming University, Taiwan

SP13-2 Rotor mapping and atrial fibrillation (AF) ablation

Takeshi Tsuchiya¹, Takashi Ashihara², Takanori Yamaguchi^{1,3}, Akira Fukui¹, Yasutsugu Nagamoto¹

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Department of Cardiovascular Medicine, Shiga University of Medical Science, Shiga, Japan, ³Saga-Ken Medical Center Koseikan, Saga, Japan

SP13-3 New Insights in Mapping and Ablation of AF: Relationship Between Ganglionated Plexi, Fractionated Atrial Potentials and Rotors in AF Patients

Hiroshi Nakagawa

University of Oklahoma Health Sciences Center, USA

SP13-4 Rotors and the dynamics of atrial fibrillation in isolated sheep hearts

Masatoshi Yamazaki¹, Haruo Honjo¹, Itsuo Kodama², Kaichiro Kamiya¹

¹Research Institute of Environmental Medicine, Nagoya University, Aichi, Japan, ²Nagoya University, Aichi, Japan

SP13-5 Localized Rotors and Focal Impulse Sources in the Left Atrium During Human Atrial Fibrillation: Phase Analysis from Contact Basket Catheter Electrograms

Naoko Sasaki¹, Yasuo Okumura¹, Ichiro Watanabe¹, Andrew Madry², Yuki Hamano², Koichi Nagashima¹, Kazumasa Sonoda¹, Rikitake Kogawa¹, Keiko Takahashi¹, Kazuki Iso¹, Sayaka Kurokawa¹, Kimie Ohkubo¹, Toshiko Nakai¹, Atsushi Hirayama¹

¹Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan, ²Cuoretech Pty Ltd, Australia

SP13-6 Spatial relationship between the left atrial anatomical contact area and rotational activity in persistent AF

Shiro Nakahara¹, Yuichi Hori¹, Naofumi Tsukada¹, Ayako Nakagawa¹, Yoshiko Sakai¹, Isao Taguchi¹, Takanori Yamaguchi², Takeshi Tsuchiya²

¹Department of Cardiology, Dokkyo Medical University Koshigaya Hospital, Saitama, Japan, ²EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan

SP13-7 High-Dominant Frequency Site Is a Surrogate of a Rotor in 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

SP13-8 The Usefulness of Continuous Wavelet Transform Analysis Combined with Continuous Electrical Activity Analysis in Patients with Long-Standing Persistent Atrial Fibrillation

Yasuhiro Yokoyama, Toru Adachi, Akira Kimata

Cardiology, St Lukes International Hospital, Tokyo, Japan

Room 1 14:30-16:00 Panel Discussion6 [PD6]

Management for Frequent ICD Therapy

Chairs Takashi Kurita

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

Takeshi Mitsuhashi

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

PD6-1 Translational Perspective on Pathophysiology of Frequent ICD-shocked Ventricular Tachyarrhythmias

Yukiomi Tsuji, Daniel T. Harrel, Taisuke Ishikawa, Naomasa Makita

Department of Molecular Physiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

PD6-2 Clinical predictors of electrical storm in German patients with implantable cardioverter defibrillator

Yusuke Kondo¹, Markus Linhart¹, Rene P. Andrie¹, Marehiko Ueda², Yoshio Kobayashi², Joerg O. Schwab¹

¹Department of Medicine-Cardiology, University of Bonn, Germany, ²Department of Cardiology, Chiba University Graduate School of Medicine, Chiba, Japan

PD6-3 Electrical storm in the Japanese population—Analysis of Nippon Strom Study—

Takashi Noda¹, Takashi Kurita², Takashi Nitta³, Hiroshi Furushima⁴, Naoki Matsumoto⁵, Takeshi Toyoshima⁶, Akihiko Shimizu⁷, Hideo Mitamura⁸, Tohru Ohe⁹, Yoshifusa Aizawa¹⁰

¹Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ²Department of Medicine, Faculty of Medicine, Kinki University, Osaka, Japan, ³Department of Cardiovascular Surgery, Nippon Medical School, Tokyo, Japan, ⁴The First Department of Internal Medicine, Niigata University School of Medicine, Niigata, Japan, ⁵Department of Pharmacology, St. Marianna University School of Medicine, Kanagawa, Japan, ⁶Faculty of Health and Medical Care, Saitama Medical University, Saitama, Japan, ⁷Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan, ⁸Tachikawa Hospital, Tokyo, Japan, ⁹The Sakakibara Heart Institute of Okayama, Okayama, Japan, ¹⁰Department of Research and Development, Tachikawa Medical Center, Niigata, Japan

PD6-4 Radiofrequency catheter ablation for electrical storm of ventricular tachycardia in structural heart disease

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

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

PD6-5 The ablation procedure and prognosis in the patients with electrical storm according to the type of VT mechanism

Kazuhiro Satomi¹, Muryo Terasawa¹, Koji Miyamoto², Takashi Noda², Ikutaro Nakajima², Shiro Kamakura², Kengo Kusano², Akira Yamashina¹

¹Department of Cardiology, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan, ²Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

Room 1 16:30-19:00 The 4th Anti-arrhythmic Therapy Summit [ATS]

Total Management for Patients with Atrial Fibrillation

Opening Remarks

Youichi Kobayashi

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

Part 1

Chairs Satoshi Ogawa

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

Kaoru Sugi

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

ATS1 Management of hypertension in patients with atrial fibrillation

Mitsuru Ohishi

Department of Cardiovascular Medicine and Hypertension, Kagoshima University, Kagoshima, Japan

New therapeutic strategy is required to manage the patients with heart failure and atrial fibrillation

Hiroshi Ito

Department of Cardiovascular Medicine, Okayama University, Okayama, Japan

ATS3 Management of older patients with atrial fibrillation: Geriatric point of view

Masahiro Akishita

Department of Geriatric Medicine, The University of Tokyo, Tokyo, Japan

Commentator

Hideo Mitamura

Tachikawa Hospital, Tokyo, Japan

Part 2

Chairs Hiroshi Inoue

Saiseikai Toyama Hospital, Toyama, Japan

Takeshi Yamashita

The Cardiovascular Institute, Tokyo, Japan

ATS4 Risk and Benefit of Anticoagulant and Antiplatelet Therapy in Patients with Atrial Fibrillation Undergoing Percutaneous Coronary Intervention

Satoshi Shizuta, Kentaro Nakai, Tetsuma Kawaji, Takashi Yoshizawa, Hiroaki Sugiyama, Takeru Makiyama, Takeshi Kimura

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

ATS5 Asymptomatic atrial fibrillation and risk of Thromboembolic events in patients implanted with pacemakers

Toshiyuki Ishikawa

Department of Cardio-renal Medicine, Yokohama City University School of Medicine, Kanagawa, Japan

ATS6 Antithrombotic therapy for atrial fibrillation in the era of Non-Vitamin K Antagonist Oral Anticoagulant (NOAC)

Ken Okumura

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

Closing Remarks

Hirotsugu Atarashi

Nippon Medical School Tama Nagayama Hospital, Tokyo, Japan

(DAIICHI SANKYO CO., LTD.)

Room 2 8:30-10:00 Symposium14 [SP14]

Approach for ARVC (Genetics, Medical Therapy, Catheter Ablation) —From Bench to Bedside— ★

Chairs Minoru Horie

Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

Akihiko Shimizu

Department of Medicine and Health Sciences, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

SP14-1 Key Note Lecture: Arrhythmogenic Right Ventricular Dysplasia: Three Decades of Progress?

Hugh Calkins

The Johns Hopkins University, USA

SP14-2 Arrhythmogenic Right Ventricular Cardiomyopathy from the Genetic Basis to the Clinical Symptoms

Seiko Ohno^{1,2}, Yuko Wada², Keiko Sonoda², Minoru Horie²

¹Center for Epidemiologic Research in Asia, Shiga University of Medical Science, Shiga, Japan, ²Cardiovascular Department, Shiga University of Medical Science, Shiga, Japan

SP14-3 Pharmacological therapy in patients with arrhythmogenic right ventricular cardiomyopathy/dysplasia

Tsuyoshi Shiga, Noriko Kikuchi, Atsushi Suzuki, Nobuhisa Hagiwara

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

SP14-4 Implantable Cardioverter Defibrillators in Arrhythmogenic Right Ventricular Cardiomyopathy

Toshiaki Sato

Cardiology, Second Department of Internal Medicine, Kyorin University School of Medicine, Tokyo, Japan

SP14-5 Role of Catheter Ablation in Arrhythmogenic Right Ventricular Cardiomyopathy

Akihiko Nogami

Cardiovascular Division, Faculty of Medicine, University of Tsykuba, Ibaraki, Japan

Room 2 10:00-11:30 Symposium15 [SP15]

Inherited Arrhythmias—Bench to Bedside ★

Chairs Minoru Horie

Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

Wataru Shimizu

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

SP15-1 J wave syndromes: From bench to bedside

Charles Antzelevitch

Lankenau Institute of Medical Research/SUNY Upstate Medical University, USA

SP15-2 Risk stratification of ventricular fibrillation in Brugada syndrome by combination of clinical non-invasive and molecular parameters

Yukiko Nakano¹, Hidenori Ochi², Hiroshi Kawazoe¹, Takehito Tokuyama¹, Yoshikazu Watanabe¹, Hiroya Matsumura¹, Shunsuke Tomomori¹, Akinori Sairaku¹, Hiroki Ikenaga¹, Noboru Oda¹, Nozomu Oda¹, Yuko Uchimura-Makita¹, Chikaaki Motoda¹, Kazuaki Chayama³, Yasuki Kihara¹

¹Department of Cardiovascular Medicine, Division of Frontier Medical Science, Programs for Biomedical Research Graduate School of Biomedical Science, Hiroshima University, Hiroshima, Japan, ²Laboratory for Digestive Diseases, Center for Genomic Medicine, RIKEN, Hiroshima, Japan, ³Department of Gastroenterology and Metabolism, Division of Frontier Medical Science, Programs for Biomedical Research Graduate School of Biomedical Science, Hiroshima University, Hiroshima, Japan

SP15-3 New risk stratification tool in patients with Brugada syndrome —Prognostic significance of pilsicainide-induced ventricular arrhythmias—

Akira Ueoka¹, Hiroshi Morita², Motoki Kubo¹, Koji Nakagawa¹, Nobuhiro Nishii¹, Satoshi Nagase¹, Hiroshi Ito¹

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

SP15-4 The risk of sudden cardiac death in patients with spontaneous and induced Brugada phenotype

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

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

SP15-5 Comparison of circadian, weekly and seasonal variations between electrical storms versus single VF events in patients with Brugada syndrome

Yoshiyasu Aizawa¹, Seiji Takatsuki¹, Kazuaki Nakajima¹, Shin Kashimura¹, Akira Kunitomi¹, Yoshinori Katsumata¹, Takahiko Nishiyama¹, Takehiro Kimura¹, Nobuhiro Nishiyama¹, Kotaro Fukumoto¹, Yoko Tanimoto¹, Yoshiaki Kaneko², Shinichi Niwano³, Takashi Kurita⁴, Takeshi Mitsuhashi⁵, Takashi Noda⁶, Shiro Kamakura⁶, Akihiko Shimizu⁷, Minoru Horie⁸, Yoshifusa Aizawa⁹, Keiichi Fukuda¹

¹Department of Cardiology, Keio University School of Medicine, Tokyo, Japan, ²Gunma University, Gunma, Japan, ³Kitasato University, Kanagawa, Japan, ⁴Kinki University, Osaka, Japan, ⁵Saitama Medical Center, Jichi Medical University, Saitama, Japan, ⁶National Cerebral and Cardiovascular Center, Osaka, Japan, ⁷Yamaguchi University, Yamaguchi, Japan, ⁸Shiga University, Shiga, Japan, ⁹Tachikawa Medical Center, Niigata, Japan

SP15-6 Drug challenge test and genetic test for the diagnosis and management of inherited primary arrhythmia syndromes

Takeshi Ueyama¹, Akihiko Shimizu², Yasuhiro Yoshiga¹, Makoto Ono¹, Takayoshi Kato¹, Tomoko Fumimoto¹, Hironori Ishiguchi¹, Seiko Ohno³, Takeru Makiyama⁴, Minoru Horie⁴, Masafumi Yano¹

¹Department of Medicine and Clinical Science, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan, ²Faculty of Health Sciences, Yamaguchi Graduate School of Medicine, Yamaguchi, Japan, ³Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan, ⁴Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto, Japan

Room 2 13:00-14:30 Symposium16 [SP16]

Regenerative Medicine and Arrhythmia

Chairs Yuji Murakawa

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

Keiichi Fukuda

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

SP16-1 Arrhythmogenic disease modeling by iPS cells

Shinsuke Yuasa

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

SP16-2 Study of long QT syndrome type 3 using human iPS cell-derived cardiomyocytes

Tetsushi Furukawa¹, Shinichiro Okata^{1,2}, Shinsuke Yuasa², Tomoyuki Suzuki^{2,3}, Naomasa Makita⁴, Junko Kurokawa¹, Toru Egashira², Hiroyuki Yamakawa², Tomohisa Seki², Yoshiyasu Aizawa², Hisayuki Hashimoto², Yusuke Kuroda^{1,3}, Atsushi Tanaka², Kojiro Yae², Mitsushige Murata², Takeshi Aiba⁵, Wataru Shimizu⁶, Minoru Horie⁷, Kaichiro Kamiya³, Keiichi Fukuda²

¹Department of Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, ²Department of Cardiology, School of Medicine, Keio University, Tokyo, Japan, ³Department of Cardiovascular Research, Research Institute of Environmental Medicine, Nagoya University, Aichi, Japan, ⁴Department of Molecular Pathophysiology-1, Graduate School of Biomedical Sciences, Nagasaki University, Nagasaki, Japan, ⁵Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ⁶Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan, ⁷Department of Cardiovascular Medicine, Shiga University of Medical Science, Shiga, Japan

SP16-3 Recent progress in pathophysiology of hypertrophic cardiomyopathy using iPS cells

Atsushi Tanaka¹, Shinsuke Yuasa², Koichi Node¹, Keiichi Fukuda²

¹Department of Cardiovascular Medicine, Saga University, Saga, Japan, ²Department of Cardiology, Keio University School of Medicine, Tokyo, Japan

SP16-4 Preclinical transplantation study for pluripotent stem cell-derived cardiomyocytes in non-human primates: Assessment of electrophysiological and contractile functions

Yuji Shiba

Department of Cardiovascular Medicine, Institute for Biomedical Science, Shinshu University, Nagano, Japan

SP16-5 Can computer simulation technique contribute regenerative medicine?

Shin Inada¹, Daniel T. Harrell², Ryo Haraguchi¹, Takashi Ashihara³, Takeshi Aiba¹, Takanori Ikeda⁴, Kazuyuki Mitsui⁵, Haruo Honjo⁶, Nitaro Shibata⁷, Naomasa Makita², Kaichiro Kamiya⁶, Itsuo Kodama⁶, Kazuo Nakazawa¹

¹National Cerebral and Cardiovascular Center, Osaka, Japan, ²Department of Molecular Physiology, Nagasaki University, Nagasaki, Japan, ³Department of Cardiovascular Medicine, Shiga University of Medical Science, Shiga, Japan, ⁴Toho University Faculty of Medicine, Tokyo, Japan, ⁵Graduate School of Advanced Science and Technology, Tokyo Denki University, Tokyo, Japan, ⁶Research Institute of Environmental Medicine, Nagoya University, Aichi, Japan, ⁷Shinjuku Mitsui Building Clinic, Tokyo, Japan

Room 2 14:30-16:00 Symposium17 [SP17]

New development on the mechanism of atrial fibrillation

Chairs Nobuhisa Hagiwara

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

Naohiko Takahashi

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

SP17-1 Atrial fibrillation and arrhythmogenic activities of pulmonary vein cardiomyocytes

Kyoichi Ono¹, Yosuke Okamoto², Shohei Umehara³, Takeshi Adachi¹, Takayoshi Ohba¹, Akira Amano³, Makoto Takano⁴

¹The Department of Cell Physiology, Akita University Graduate School of Medicine, Akita, Japan, ²The Department of Pharmacology, Hirosaki University School of Medicine, Aomori, Japan, ³The Faculty of Bioinformatics, Ritsumeikan University, Shiga, Japan, ⁴The Department of Physiology, Kurume University School of Medicine, Fukuoka, Japan.

SP17-2 MicroRNA Regulation and Atrial Remodeling: Role in Atrial Fibrillation Pathophysiology and Therapeutic Potential

Masahide Harada

Department of Cardiology, Fujita Health University School of Medicine, Aichi, Japan

SP17-3 Inflammatory network underlying the pathogenesis of atrial fibrillation Hiroshi Akazawa

Department of Cardiovascular Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

SP17-4 Autonomic Nervous System and Atrial Fibrillation

Naohiko Takahashi, Mikiko Nakagawa, Tetsuji Shinohara

The Department of Cardioloogy and Clinical Examination, Oita University, Oita, Japan

SP17-5 How rotor is related to substrate in human atrial fibrillation (AF)

Takeshi Tsuchiya¹, Takashi Ashihara², Takanori Yamaguchi^{1,4}, Shiro Nakahara³, Akira Fukui¹

¹EP Expert Doctors-Team Tsuchiya, Kumamoto, Japan, ²Department of Cardiovascular Medicine, Shiga University of Medical Science, Shiga, Japan, ³Dokkyo Medical University Koshigaya Hospital, Department of Cardiology, Saitama, Japan, ⁴Saga-Ken Medical Centre, Koseikan, Saga, Japan

Room 2 16:30-19:00 Satellite Symposium [SS]

Part 1 Forefront of the Catheter Ablation Therapy

Chairs Kenzo Hirao

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

Kengo Kusano

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

SS1-1 Ethanol Infusion into Cardiac Veins for the Cure of Arrhythmias

Kaoru Okishige¹, Hideshi Aoyagi¹, Naohiko Kawaguchi¹, Tomofumi Nakamura¹, Mitsumi Yamashita¹, Nobutaka Katoh¹, Yasuteru Yamauchi¹, Tetsuo Sasano², Kenzo Hirao² ¹Heart Center, Yokohama-City Bay Red Cross Hospital, Kanagawa, Japan, ²Arrhythmia Center, Tokyo Medical and Dental University, Tokyo, Japan

SS1-2 Catheter ablation for inherited arrhythmias

Yukio Sekiguchi

Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

Part 2 How to apply AF detecting function of implanting devices for the patient management

Chairs Haruhiko Abe

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

Yuii Nakazato

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

The Reliability of Atrial Fibrillation Detection by Cardiac Implantable Electronic Devices

Takashi Tokano

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

How should we deal with asymptomatic atrial fibrillation in device implanted patients?

Takeshi Mitsuhashi, Yoshitaka Sugawara, Shin-ichi Momomura

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

Device settings for detecting true atrial tachyarrhythmias and algorithms for preventing atrial tachyarrhythmias

Ritsuko Kohno, Haruhiko Abe

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

SS2-4 Atrial tachyarrhythmia monitoring to guide anticoagulation in patients with cardiovascular implantable electronic devices

Eiichi Watanabe, Kentaro Okuda, Yukio Ozaki

Department of Cardiology, Fujita Health University, School of Medicine, Aichi, Japan

Room 3 7:45-8:30 Morning Seminar2 [MS2]

Sleep Apnea, Arrhythmias and Sudden Death ★

Chair Taro Adachi

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

MS2-1 Sleep Apnea, Arrhythmias and Sudden Death

Virend K. Somers
Mayo Clinic, USA

(Teijin Home Healthcare Limited)

Room 3 8:30-10:00 Panel Discussion7 [PD7]

Strategy to Prevent Stroke for Atrial Fibrillation—From Bench to Bedside—

Chairs Hiroshi Inoue

Saiseikai Toyama Hospital, Toyama, Japan

Kaoru Sugi

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

PD7-1 Approach to atrial fibrillation with hemostatic markers

Hidesaku Asakura

The Third Department of Internal Medicine, University of Kanazawa, Ishikawa, Japan

PD7-2 Consideration of the suitable warfarin control in Japanese from the base of coagulant and fibrinokytic markers

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

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

PD7-3 Important Lessons from the three J-RHYTHM studies

Yuji Okuyama

Advanced Cardiovascular Therapeutics, University of Osaka, Osaka, Japan

PD7-4 Guideline-discordant use of oral anticoagulants for atrial fibrillation patients and its outcomes: Lessons from the Fushimi AF Registry

Masaharu Akao

Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto, Japan

PD7-5 Up-to-date Information on Non-vitamin K Antagonist Oral Anticoagulants Takeshi Yamashita

The Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo, Japan

Room 3 10:00-11:30 Panel Discussion8 [PD8]

Strategy of Anti-coagulant Therapy with Anti-platelet Therapy in the Patients with Atrial Fibrillation and Ischemic Heart Disease

Chairs Takao Kato

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

Youichi Kobayashi

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

PD8-1 Strategy of Anti-coagulant Therapy in the Patients with afib ablation

Riccardo Cappato

Humanitas Gavazzeni, Bergamo and Istituto Clinico Humanitas, Italy

PD8-2 Prevention of coronary event in patients with CAD and AF

Hiroshi Ito

Department of Cardiovascular Medicine, Okayama University, Okayama, Japan

PD8-3 Anticoagulant and Antiplatelet Therapy in Real World Patients with Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: From the CREDO-Kyoto Registry Cohort-2

Satoshi Shizuta, Koji Goto, Kentaro Nakai, Takeshi Kimura

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

PD8-4 Current Status of Anti-thrombotic Therapy in Atrial Fibrillation Ablation Patients with Coronary Artery Disease

Koichi Inoue¹, Yuji Murakawa², Akihiko Nogami³, Morio Shoda⁴, Shigeto Naito⁵, Koichiro Kumagai⁶, Yasushi Miyauchiˀ, Teiichi Yamane⁶, Norishige Morita⁶, Ken Okumura¹⁰

¹Cardiovascular Center, Sakurabashi Watanabe Hospital, Osaka, Japan, ²Fourth Department of Internal Medicine, Teikyo University, Tokyo, Japan, ³Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan, ⁴Department of Cardiology, Tokyo Women's Medical University, Tokyo, Japan, ⁵Division of Cardiology, Gunma Prefectural Cardiovascular Center, Gunma, Japan, ⁶Heart Rhythm Center, Fukuoka Sanno Hospital, Fukuoka, Japan, ⁷Division of Cardiology, Nihon Medical School, Tokyo, Japan, ⁸The Department of Cardiology, The Jikei University School of Medicine, Tokyo, Japan, ⁹Division of Cardiology, Department of Medicine, Tokai University Hachioji Hospital, Tokyo, Japan, ¹⁰Division of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan

Room 3 11:50-12:50 Luncheon Seminar26 [LS26]

Practical Applicability of $oldsymbol{eta}$ -blockers for Atrial and Ventricular Tachyarrhythmias

Chair Kazutaka Aonuma

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

LS26-1 Practical Applicability of β -blockers for Atrial and Ventricular Tachyarrhythmias

Takeshi Aiba

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

(ONO PHARMACEUTICAL CO., LTD.)

Room 3 13:00-14:00 Debate (Medical Professionals) 3 [MD3]

DDDペースメーカーはVVIペースメーカに勝る

座長 船崎俊一

済生会川口総合病院

MD3-1 賛成

大木康則

埼玉医科大学総合医療センターMEサービス部

MD3-2 反対

井野裕也

京都桂病院臨床工学科

Room 3 14:00-15:00 Oral Presentation (Medical Professionals) [M5]

アブレーション3(メディカルプロフェッショナル)

座長 本田俊弘

済生会熊本病院心臓血管センター 循環器内科

菊地美和

昭和大学医学部内科学講座 循環器内科学部門

M5-1 Visitag® module を用いたContact Force Integral Guided Pulmonary Vein Isolationの有効性に関する検討

西尾佳恵¹,杉山千紘¹,松井孝拓¹,永嶋孝一²,奥村恭男²,園田和正²,古川力丈²,佐々木直子²,磯 一貴²,高橋啓子²,黒川早矢香²,大久保公恵²,中井俊子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

M5-2 心房細動アブレーションにおけるVISITAGモジュールの有用性の検討

渡邉哲広1, 中原志朗2, 堀 裕一2, 塚田直史2

1獨協医科大学越谷病院臨床工学部,2獨協医科大学越谷病院循環器内科

M5-3 CARTO3システムVISITAGモジュールを用いた操作者のポイント取得精度についての検討

德留大剛', 寺田直正', 佐々木健', 伊藤浩一', 田代嗣晴', 近藤幸夫', 安藤 敬', 小松雄樹², 小和瀬晋弥², 黒崎健司²

¹独立行政法人労働者健康福祉機構横浜労災病院臨床工学部,²独立行政法人労働者健康福祉機構横浜労災病院循環器内 科

M5-4 心房細動アブレーション中における経口抗凝固薬のActivated Clotting Timeへの 影響

黒田 敬¹, 貴島秀行², 駒井るみ³, 蘆田健毅², 峰 隆直², 増山 理² ¹ ¹ 兵庫医科大学病院臨床工学室、² 兵庫医科大学病院循環器内科、³ 兵庫医科大学病院看護部

M5-5 心房細動を合併した僧帽弁閉鎖不全症の心臓血管外科手術時に一期的に全リード心 外膜側留置によるCRT-D植込術と術後CRT-DでAF治療を試みた一例

塚本 毅', 伊藤敦彦', 笠原勝彦', 富澤光昭', 山下尋史', 野崎 彰'

¹公立学校共済組合関東中央病院医療機器管理室,²公立学校共済組合関東中央病院循環器内科,³公立学校共済組合関東中央病院心臓血管外科

Room 3 15:00-16:10 Oral Presentation (Medical Professionals) [M6]

アブレーション4(メディカルプロフェッショナル)

座長 小林建三郎

東邦大学医療センター大森病院 循環器内科

進藤勇人

JA秋田厚生連平鹿総合病院 臨床工学科

M6-1 高周波心房中隔穿刺システムによる気泡発生についての実験的検討

堀口敦史¹, 新保里佳¹, 谷口翔太¹, 中島基裕¹, 伊藤さやか¹, 樋口知之¹, 春田良雄¹, 長内宏之² ¹公立陶生病院臨床工学部, ²公立陶生病院循環器内科

M6-2 心房細動に対するMarshall静脈内化学的アブレーション後の経時的変化―高速フーリエ変換を用いた周波数解析―

M6-3 Double Contact Forceを用いたBipolar Ablationにおける水槽実験の検討

那須敏裕¹,田村隆始²,桑原洋平²,山内貴司²,鈴木 学²,菅原誠一²,渡部 悟²,千葉二三夫², 廣上 貢³,宮本憲次郎⁴,西澤弘泰⁵,田口憲博⁵

¹市立札幌病院臨床工学科,²手稲渓仁会病院臨床工学部,³手稲渓仁会病院循環器内科,⁴札幌心臓血管クリニックハート リズムセンター,⁵平和物産株式会社

M6-4 当院における先天性心疾患の頻拍性不整脈に対する心臓電気生理検査及びカテーテルアブレーション時のヒス束電位記録の現状

熊丸隆司¹, 豊原啓子², 坂本健太郎¹, 小林潤平¹, 竹内大二², 西村智美², 宮本健志², 工藤恵道², 和田 励². 庄田守男³

¹東京女子医科大学病院臨床工学部,²東京女子医科大学循環器小児科,³東京女子医科大学循環器内科

M6-5 高周波カテーテルアブレーションを受ける患者の不安及び看護に対する要望への検討

野中寛子¹, 押川宜且¹, 甲斐克彦¹, 池田スエ子¹, 足利敬一², 柴田剛徳² ¹宮崎市郡医師会病院看護科, ²宮崎市郡医師会病院循環器内科

M6-6 脳梗塞のリハビリテーション期における心房細動の意義

栗和田直樹'、安斎結子'、須藤彩子'、中村和美'、相澤義房2

¹悠遊健康村病院・リハビリセンター看護部,²立川メディカルセンター研究開発部

Room 4 7:45-8:30 Morning Seminar3 [MS3]

Enhancing the Diagnosis of Complex Arrhythmias with Innovative 3D Mapping Technologies ★

Chair Kaoru Okishige

Heart Center, Yokohama-City Bay Red Cross Hospital, Kanagawa, Japan

MS3 Enhancing the Diagnosis of Complex Arrhythmias with Innovative 3D Mapping Technologies

Young-Hoon Kim

Korea University Medical Center, Korea

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

Room 4 8:30-10:00 Symposium18 [SP18]

Current Status and Issues of Device-therapy for Pediatric Patients

Chairs Toshio Nakanishi

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

Shigeru Tateno

Department of Pediatrics, Chiba Cerebral and Cardiovascular Center, Chiba, Japan

SP18-1 How to prevent sudden death in children and adolescent

Naokata Sumitomo

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

SP18-2 Impact of AED on the outcome of out-of-hospital cardiac arrest in schoolage children: From Utstein registry and a nationwide survey

Yoshihide Mitani¹, Kunio Ohta², Naokata Sumitomo³

¹Department of Pediatrics, Mie University Graduate School of Medicine, Mie, Japan, ²Department of Pediatrics, Kanazawa University Graduate School of Medicine, Ishikawa, Japan, ³Department of Pediatric Cardiology, Saitama International Medical Center, Saitama, Japan

SP18-3 Implantable cardioverter defibrillator therapy in patients with congenital heart disease

Keiko Toyohara¹, Tetsuyuki Manaka², Morio Shoda²

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

SP18-4 Optimal pacing sites for cardiac resynchronization therapy for patients with a systemic right ventricle with or without a rudimentary left ventricle

Aya Miyazaki¹, Heima Sakaguchi¹, Koji Kagisaki², Nobuyuki Tsujii¹, Michio Matsuoka¹, Tetsuya Yamamoto¹, Takaya Hoashi², Takashi Noda³, Hideo Ohuchi¹

¹Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center, Osaka, Japan, ²Department of Pediatric Cardiovascular Surgery, National Cerebral and Cardiovascular Center, Osaka, Japan, ³Division of Arrhythmias and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

SP18-5 Antitachycardia pacing therapy after repair of complex congenital heart disease: A single center experience

Fumie Takechi, Shigeru Tateno, Hiroko Morishima, Yasutaka Kawasoe, Yoshitomo Okajima

Department of Pediatrics, Chiba Cerebral and Cardiovascular Center, Chiba, Japan

Room 4 10:00-11:30 Symposium19 [SP19]

Catheter Ablation for Arrhythmias in Adult Congenital Heart Disease

Chairs Yoshihide Nakamura

Department of Pediatrics, Kinki University Faculty of Medicine, Osaka, Japan

Morio Shoda

Department of Cardiovascular Medicine, Tokyo Women's Medical University, Tokyo, Japan

SP19-1 Catheter ablation in patients with WPW syndrome/AVNRT concomitant with congenital heart diseases

Satoru Takeno, Yoshihide Nakamura

Department of Pediatrics, Faculty of Medicine, Kinki University, Osaka, Japan

SP19-2 Radiofrequency catheter ablation of ventricular tachycardias in adult patients with congenital heart disease

Takashi Noda¹, Koji Miyamoto¹, Aya Miyazaki², Heima Sakaguchi², Mitsuru Wada¹, Ikutaro Nakajima¹, Kohei Ishibashi¹, Takeshi Aiba¹, Shiro Kamakura¹, Kazuhiro Satomi³, Kengo Kusano¹

¹Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ²Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center, Osaka, Japan, ³Department of Cardiovascular Medicine, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan

SP19-3 Radiofrequency catheter ablation of atrial tachycardia after an atrial switch operation

Tsugutoshi Suzuki

Department of Pediatric Electrophysiology, Pediatric Medical Care Center, Osaka City General Hospital, Pediatric Electrophysiology, Osaka, Japan

SP19-4 Catheter Ablation for Supraventricular Tachycardia after Fontan Surgery Akihiko Nogami

Cardiology Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

SP19-5 Catheter ablation of atrioventricular reentrant tachycardia involving twin atrioventricular noddes in patients with congenital heart disease

Keiko Toyohara, Morio Shoda

The Department of Pediatric Cardiology, Tokyo Woman's Medical University, Tokyo, Japan

Room 4 11:50-12:50 Luncheon Seminar27 [LS27]

Improving the Efficacy of CRT Implants and Outcomes with SJM Quadra and MediGuide Technologies ★

Chair Kyoko Soejima

Department of Cardiology, Kyorin University, Tokyo, Japan

LS27-1 Improving the Efficacy of CRT Implants and Outcomes with SJM Quadra and MediGuide Technologies

Bernard Thibault

Montreal Heart Institute, Canada

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

Room 4 13:00-15:00 JHRS-JSE-APHRS Joint Symposium [JJA]

Update of Genetics in Inherited Arrhythmia Syndromes ★

Chairs Young-Hoon Kim

Korea University Anam Hospital, Korea

Minoru Horie

Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

Wataru Shimizu

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

JJA1 Lamin A/C-related cardiomyopthy—From Bench to Bedside—

Takeru Makiyama¹, Suguru Nishiuchi¹, Hirohiko Kohjitani¹, Seiko Ohno², Minoru Horie², Takeshi Kimura¹

¹Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan, ²Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

JJA2 Clinical manifestation in early repolarization syndrome

Gi-Byoung Nam

Asan Medical Center, Korea

JJA3 Genetic screening for Brugada syndrome and Early Repolarization Syndrome

Jimmy JM Juang

National Taiwan University Hospital, Taiwan

A novel KCNJ3 mutation as a susceptibility for ventricular arrhythmias in long-QT Syndrome

Takeshi Aiba¹, Mayuko Ono², Futoshi Toyoda², Junichiro Miake⁵, Satoko Hagiwara⁶, Toru Shinohara⁷, Kohei Ishibashi¹, Mitsuru Wada¹, Ikutaro Nakajima¹, Koji Miyamoto¹, Hideo Okamura¹, Takashi Noda¹, Shiro Kamakura¹, Kengo Kusano¹, Akihiko Sekine¹, Toshihiro Tanaka³, Yoshihiro Miyamoto¹, Hiroshi Matsuura², Minoru Horie², Wataru Shimizu⁴

¹Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan, ²Shiga University of Medical Sciences, Shiga, Japan, ³Tokyo Medical and Dental University, Tokyo, Japan, ⁴Nippon Medical School, Tokyo, Japan, ⁵Tottori University, Tottori, Japan, ⁶Kanagawa Children's Medical Center, Kanagawa, Japan, ⁷Kinki University, Osaka, Japan

Room 4 15:00-16:00 Sweets Seminar4 [TS4]

The meanings of ventricular late potential during sleep hours

Chair Youichi Kobayashi

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

TS4-1 The meanings of ventricular late potential during sleep hours

Koichiro Yoshioka

Tokai University School of Medicine, Cardiology, Kanagawa, Japan

(JCT Company, Limited, Hiroshima, Japan)

Room 5 8:30-9:30 Oral Presentation [O51]

SVT 2

Chairs Shin Inoue

Department of Internal Medicine, Showa University Dental Hospital, Tokyo, Japan

Tetsuo Yagi

Division of Cardiology, Sendai City Hospital, Miyagi, Japan

O51-1 Three cases of smooth curve atrioventricular nodal reentrant tachycardia (AVNRT) which ATP administration was useful to prove of atrioventricular(AV) dual pathway

Masahiro Sekigawa¹, Yasuteru Yamauchi¹, Osamu Inaba¹, Shu Yamashita¹, Tatsuhiko Hirao¹, Junji Yamaguchi¹, Takamasa Iwai¹, Hirofumi Arai¹, Satoshi Shoji¹, Kandou Kawahatsu¹, Ryouichi Miyazaki¹, Tetsuo Yamaguchi¹, Nobuhiro Hara¹, Tomoyuki Umemoto¹, Takamichi Miyamoto¹, Toru Obayashi¹, Kenzo Hirao²

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

O51-2 Successful catheter ablation for uncommon type AV reentrant tachycardia in a patient with persistent left superior vena cava

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

O51-3 Electrophysiological Differences in Antegrade Conduction Properties between Slow-fast and Slow-slow Form of Atrioventricular Nodal Reentrant Tachycardia

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

O51-4 A cases of uncommon atrioventricular node reentry tachycardia with multiple pathways that exhibited VAAV conduction style by ventrial-atrial double response

Yuriko Narabayashi, Mahito Noro, Takahito Takagi, Naohiko Sahara, Hikari Hashimoto, Naoshi Ito, Yoshinari Enomoto, Naoki Tezuka, Tsuyoshi Sakai, Keijiro Nakamura, Shingo Kujime, Takao Sakata, Kaoru Sugi

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

O51-5 Utility of a Lewis lead for distinguishing AVRT from typical AVNRT

Yoshinao Yazaki, Yoshinari Goseki, Shuuichirou Kazawa, Muryo Terasawa, Ken Takarada, Yukio Saitoh, Tomoko Sakaida, Kazuhiro Satomi, Akira Yamashina Department of Cardiology, Tokyo Medical University, Tokyo, Japan

Room 5 9:30-10:30 Oral Presentation [O52]

SVT 3

Chairs Yoshiaki Kaneko

Department of Medicine and Biological Sciences, Gunma University, Gunma, Japan

Fumio Suzuki

Department of Cardiovascular Medicine, Fukujuji Hospital, Tokyo, Japan

O52-1 A familial Wolff-Parkinson-White Syndrome with multiple accessory pathways and atrial degeneration documented by magnetic resonance imaging

Tomonori Watanabe¹, Yasushi Imai¹, Hitoshi Hachiya², Yasuhiro Yokoyama¹, Hiroaki Watanabe¹, Tomoyuki Kabutoya¹, Kazuomi Kario¹

¹Division of Cardiovascular Medicine, Department of Internal Medicine, Jichi Medical University, Tochigi, Japan, ²Department of Cardiology, Tsuchiura Kyodo General Hospital, Ibaraki, Japan

O52-2 Radiofrequency Catheter Ablation Restores LV Contractility in Children with WPW Syndrome Accompanied with Left Ventricular Dysfunction

Eiji Morihana¹, Yasushi Mukai², Hiroya Ushinohama³, Yasutaka Nakashima¹, Eiko Terashi¹, Kiyoshi Uike¹, Yuuichiro Hirata¹, Hazumu Nagata¹, Kenichiro Yamamura¹, Toshiro Hara¹

¹Department of Pediatrics, Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan, ²Department of Cardiovascular Medicine, Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan, ³Department of Pediatric Cardiology, Fukuoka Children's Hospital, Fukuoka, Japan

O52-3 An retrograde accessary pathway conduction revealed only by short-coupling ventricular stimuli

Yasuhiro Matsuda, Takashi Kanda, Masaharu Masuda, Akihiro Sunaga, Masashi Fujita, Osamu Iida, Shin Okamoto, Takayuki Ishihara, Kiyonori Nanto, Tatsuya Shiraki, Takuya Tsujimura, Shota Okuno, Koji Yanaka, Masaaki Uematsu

Kansai Rosai Hospital Cardiovascular Center, Hyogo, Japan

O52-4 Approach to the posteroseptal atrioventricular accessory pathway: A case report

Etsuko Ikeda, Masakazu Miyamoto, Atsushi Mori, Chikara Takahashi, Tomohiro Kawaguchi, Wakako Yoshikawa, Jun Ida, Masaki Yoshikawa, Takefumi Oka Tsuyama Central Hospital, Okayama, Japan

O52-5 Two Cases of Adenosine-sensitive Atrial Tachycardia Originating from the Tricuspid Annulus

Mutsuki Miyagawa¹, Mina Hatsuno¹, Yuji Watari¹, Takeshi Yamakawa¹, Taiji Furukawa², Ken Kozuma¹

¹Department of Medicine, Teikyo University School of Medicine, Tokyo, Japan, ²Laboratory Medicine, Teikyo University School of Medicine, Tokyo, Japan

Room 5 10:30-11:30 Oral Presentation [O53]

ECG Assessment 3★

Chairs Yoshiki Kusama

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

Yuji Kasamaki

Department of Internal Medicine, Nihon University Itabashi Hospital, Tokyo, Japan

O53-1 Analyzing 12 Lead ECG to Predict the Origin of Premature Ventricular Contraction

Shin Inada¹, Nitaro Shibata², Takashi Ashihara³, Kazuyuki Mitsui⁴, Kazuo Nakazawa¹
¹National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan, ²Shinjuku Mitsui Building Clinic, Tokyo, Japan, ³Department of Cardiovascular Medicine, Heart Rhythm Center, Shiga University of Medical Science, Shiga, Japan, ⁴Graduate School of Advanced Science and Technology, Tokyo Denki University, Tokyo, Japan

O53-2 Report from Home Electrocardiograph Committee. Usefulness for the Evaluation of Various Cardiac Symptoms in Women

Masaaki Yashima¹, Yayoi Tsukada¹, Kayoko Sato², Seiji Fukushima³, Keiko Amano⁴, Takao Katoh⁵

¹Department of Cardiovascular Medicine, Nippon Medical School, Tokyo, Japan, ²Department of Cardiovascular Medicine, Tokyo Women's University, Tokyo, Japan, ³Ukima Chuou Hospital, Tokyo, Japan, ⁴Seifu-sou Hospital, Saitama, Japan, ⁵International University of Health and Welfare Mita Hospital, Tokyo, Japan

O53-3 The QRS morphology pattern in V5R is a novel and simple parameter for differentiating the origin of idiopathic outflow tract ventricular arrhythmias

Miyako Igarashi, Akihiko Nogami, Yukio Sekiguchi, Kenji Kuroki, Hiro Yamasaki, Takeshi Machino, Yoshiaki Yui, Kojiro Ogawa, Yasutoshi Shinoda, Eikou Sai, Keita Masuda, Ahmed Talib, Nobuyuki Murakoshi, Keisuke Kuga, Kazutaka Aonuma

Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

O53-4 ECG changes in three patients after the exchange of atenolol(hydrophilic beta blocker) for bisoprolol(lipophylic beta blocker)-The change of the plateau in action potential

Makoto Tamura

The Department of Cardiology, Misono Hospital, Niigata, Japan

O53-5 Comparison of paced QRS duration and paced fragmentation during right ventricular apical pacing between Brugada syndrome and arrhythmogenic right ventricular cardiomyopathy

Naoya Kataoka¹, Koichi Mizumaki², Yosuke Nakatani¹, Tamotsu Sakamoto¹, Kunihiro Nishida¹, Hiroshi Inoue¹

¹The Second Department of Internal Medicine, University of Toyama, Toyama, Japan, ²Clinical Research and Ethics Center, University of Toyama, Toyama, Japan

Room 5 11:50-12:50 Luncheon Seminar28 [LS28]

The Evaluation of Myocardial Fibrosis by Cardiac Magnetic Resonance Imaging

Chair Yasushi Akutsu

Director of Internal Medicine and Cardiology, Associate Professor of Clinical Research Institute for Clinical Pharmacology & Therapeutics, Showa University Karasuyama Hospital, Tokyo, Japan

LS28-1 The Evaluation of Myocardial Fibrosis by Cardiac Magnetic Resonance Imaging

Kunihiko Teraoka

Sakakibara Heart Institute Clinic, Japan Reserch Promotion Society for Cardiovascular Disease, Tokyo, Japan

(Siemens Japan K.K.)

Room 5 13:00-14:00 Oral Presentation [O54]

VT 7

Chairs Tsuyoshi Shiga

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

Masayuki Sakurai

Department of Cardiology, Hokko Memorial Hospital, Hokkaido, Japan

O54-1 Predictors for Upcoming ICD Therapeutic Episodes among Common Data in Daily Device Clinic

Tamami Fujiishi¹, Shinichi Niwano¹, Masami Murakami¹, Hironori Nakamura¹, Tazuru Igarashi¹, Naruya Ishizue¹, Tomoharu Yoshizawa¹, Jun Oikawa¹, Jun Kishihara¹, 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

O54-2 Significant improvement of defibrillation threshold after removal of abandoned epicardial defibrillation patches

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

O54-3 Impact of anti-tachycardia pacing therapy on slow ventricular tachycardia in patients treated by amiodarone

Michiko Imai, Morio Shoda, Tetsuyuki Manaka, Koichiro Ejima, Daigo Yagishita, Ken Kato, Ryuta Henmi, Nobuhisa Hagiwara

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

O54-4 The efficacy of the standard iv-Amio protocol

Yasuhito Kotake, Takashi Kurita, Yuzuru Akaiwa, Ryobun Yasuoka, Koichiro Motoki, Shunichi Miyazaki

Division of Cardiology, Department of Medicine, Faculty of Medicine, Kinki University, Osaka, Japan

O54-5 Extreme electrical storm and frequent defibrillator shocks in a long QT syndrome patient with acute colonic diverticulitis

Chikaya Omichi, Hiroshi Narasaki, Daisuke Fujii

Department of Cardiology, JCHO Tokyo Shinjuku Medical Center, Tokyo, Japan

Room 5 14:00-15:00 Oral Presentation [O55]

VT 8★

Chairs Kazuhiro Suyama

Department of Internal Medicine, Yodakubo Hospital, Nagano, Japan

Masaomi Chinushi

School of Health Sciences, Niigata University, Niigata, Japan

O55-1 Epicardial map guided ablation for a VT storm originating from the LV summit in a patient with non-ischemic cardiomyopathy

Yuichi Hori, Shiro Nakahara, Naofumi Tsukada, Akiko Okano, Noritaka Toratani, Yoshihiko Sakai

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

O55-2 Successful catheter ablation of VT/VF triggered by PVC in acute phase of myocardial infarction

Sachiko Bando, Takeshi Soeki, Tomomi Matsuura, Takeshi Tobiume, Masataka Sata *The Department of Cardiology, University of Tokushima, Tokushima, Japan*

O55-3 A case with frequent premature ventricular contractions originated from left ventricular outflow tract eliminated by radiofrequency energy application from endocardial and epicardial site

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

O55-4 A case of recurrent ventricular tachycardia in patient with dilated cardiomyopathy diminished by combination therapy of repeated epicardial catheter ablation and antiarrhythmic agents

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*

O55-5 High-Density Pace-mapping to Identify Critical Isthmus of Unmappable Postinfarct Ventricular Tachycardia

Yuichi Hanaki¹, Yuki Komatsu¹, Shinya Kowase¹, Kenji Kurosaki¹, Akihiko Nogami² ¹Department of Heart Rhythm Management, Yokohama Rosai Hospital, Kanagawa, Japan, ²Department of Cardiology, University of Tsukuba, Ibaraki, Japan

Room 5 15:00-16:00 Oral Presentation [O56]

VT 9

Chairs Koichi Sagara

Department of Cardiology, The Cardiovascular Institute, Tokyo, Japan

Kenji Enta

Department of Cardiology, Ogikubo Hospital, Tokyo, Japan

O56-1 Frequent premature ventricular contractions originating from LV summit ablated from the distal great cardiac vein by irrigated radiofrequency catheter ablation

Yoshihisa Nagata¹, Joji Morii², Tomoo Yasuda², Satoshi Imaizumi², Yuka Hitaka², Akira Matsunaga¹, Naomichi Matsumoto¹, Masahiro Ogawa², Keijiro Saku²

¹Clinical Laboratory, Fukuoka University Hospital, Fukuoka, Japan, ²Department of Cardiology, Fukuoka University Hospital, Fukuoka, Japan

O56-2 A case of premature ventricular complexes originating from the right ventricular septum beneath His bundle region, successfully ablated in the noncoronary cusp

Tomomichi Suzuki, Hiroaki Kobayashi, Daizo Ishihara, Shigeki Kobayashi *The Department of Cardiology, Inazawa Municipal Hospital, Aichi, Japan*

O56-3 A Case of Verapamil-Sensitive Idiopathic Left Ventricular Tachycardia Originated from Left Anterior Papillary Muscle

Miwa Kikuchi, Kaoru Tanno, Fumito Miyoshi, Saoko Ikeda, Seita Kondo, Masayuki Sakurai, Takatoshi Sato

Cardiovascular Disease Center, Showa University, Koto Toyosu Hospital, Tokyo, Japan

O56-4 Successful Ablation for Ventricular Tachycardia after Surgical Repair of Tetralogy of Fallot by Conduction Block between Two Transannular Patches Under Intracardiac Echocardiographic Guidance

Kengo Korai¹, Yoshimori An¹, Ken-ichi Hiroshima¹, Michio Nagashima¹, Shota Tohoku¹, Kenji Ando¹, Tomoaki Ito², Harushi Niu², Masahiko Goya³

¹Department of Cardiology, Kokura Memorial Hospital, Fukuoka, Japan, ²Department of Clinical Engineering, Kokura Memorial Hospital, Fukuoka, Japan, ³Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

O56-5 A successful radiofrequency catheter ablation for frequent premature vencticular complexes via distal great cardiac vein using contact force sensing catheter

Hideyuki Hasebe

Department of Arrhythmology, Shizuoka Saiseikai General Hospital, Shizuoka, Japan

Room 6 8:30-9:30 Oral Presentation [O57]

Lead 1

Chairs Tomoshige Morimoto

Department of Thoracic and Cardiovascular Surgery, Osaka Medical College, Osaka, Japan

Yoshifumi Ikeda

Saitama Medical University International Medical Center Cardiology, Saitama, Japan

O57-1 Initial experience of percutaneous extraction of infected cardiac implantable electric devices using excimer laser

Ayako Okada, Wataru Shoin, Koji Yoshie, Yasutaka Oguchi, Takahiro Takeuchi, Kazunori Aizawa, Takeshi Tomita, Morio Shoda

The Department of Cardiovascular Medicine, Shinshu University, Nagano, Japan

O57-2 Additional report for transvenous lead extraction (Fujiwara method) at our hospital

Tatsuya Saito¹, Osamu Date¹, Seiichiro Sakurai², Kouko Yamazaki², Daisuke Hotta², Masaru Tsukamoto¹, Hideo Yokoyama¹, Kenjiro Kikuchi²

¹Department of Cardiovascular Surgery, Hokkaido Cardiovascular Hospital, Hokkaido, Japan, ²Department of Cardiology, Hokkaido Cardiovascular Hospital, Hokkaido, Japan

O57-3 The prevalence and clinical characteristics in the patients who underwent lead extraction using a femoral approach

Kenji Kuroki, Yukio Sekiguchi, Tomohiko Harunari, Mitsuhiro Fukata, Kojiro Ogawa, Yoshiaki Yui, Eikou Sai, Yasutoshi Shinoda, Takeshi Machino, Miyako Igarashi, Keisuke Kuga, Akihiko Nogami, Kazutaka Aonuma

The Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

O57-4 Successful four leads extraction and implantation of new CRT device using existing epicardial lead

Wataru Shoin, Morio Shoda, Koji Yoshie, Yasutaka Oguchi, Takahiro Takeuchi, Ayako Okada, Uichi Ikeda

Department of Cardiovascular Medicine, Shinshu University School of Medicine, Nagano, Japan

O57-5 Single center experiences of the device extraction with using the excimer laser sheath

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

Saitama Medical University, International Medical Center, Saitama, Japan

Room 6 9:30-10:20 Oral Presentation [O58]

Lead 2

Chairs Kyoko Soejima

Department of Cardiology, Kyorin University Hospital, Tokyo, Japan

Chikashi Suga

Suga Clinic, Saitama, Japan / Jichi Medical University Saitama Medical Center, Saitama, Japan

O58-1 Pathologic exploration of the favorite adhesion sites of the implanted intracardiac pacemaker electrodes

Taka-Aki Matsuyama¹, Hideo Okamura², Hatsue Ishibashi-Ueda¹, Takashi Noda², Shiro Kamakura², Kengo Kusano²

¹Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan, ²Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

O58-2 Recurrence of cardiovascular implantable electronic device infection after percutaneous lead extraction

Takashi Yamada, Masao Ooshima, Yusuke Taniguchi, Hiroki Hayashi, Shinya Okabe, Kaoki Katoh, Hiroyuki Johno, Hirotaka Murata

Cardiovascular Center, Iseikai Hospital, Osaka, Japan

O58-3 Usefulness of Intracardiac Echocardiography for Detecting Bacterial Vegetations Associated with Electronic Device Lead Infection

Takeshi Sasaki, Masahiko Goya, Takuro Nishimura, Yasuhiro Shirai, Susumu Tao, Masateru Takigawa, Mihoko Kawabata, Tetsuo Sasano, Kenzo Hirao

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

O58-4 Useful Marker for Prospect of Cardiovascular Implantable Electronic Device Infection in Perioperative Period

Masaaki Kurata, Daisuke Wakatsuki, Hisa Shimojima

The Department of Cardiology at Fujigaoka Hospital, University of Showa, Kanagawa, Japan

Room 6 10:30-11:30 Oral Presentation [O59]

ICD 1

Chairs Toshiko Nakai

Department of Cardiovascular Medicine, Nihon University School of Medicine, Tokyo, Japan

Satoru Miyanaga

Department of Cardiology, The Jikei University Kashiwa Hospital, Chiba, Japan

O59-1 Pectorial myopotential oversensing in ICD patient with bipolar epicardial sensing lead found by lead integrated alert: A case report

Kyoichiro Yazaki, Yoichi Ajiro, Kei Tsukamoto, Kunihiko Shimizu, Takashi Saito, Sae Morita, Yasunori Kobayashi, Fumiaki Mori, Kazunori Iwade

Depertment of Cardiology, National Hospital Organization Yokohama Medical Center, Kanaqawa, Japan

O59-2 Efficacy of using implantable cardioverter defibrillators with ST monitoring function in patients with coronary artery disease

Tetsuya Watanabe¹, Yukinori Shinoda¹, Kuniyasu Ikeoka¹, Horooki Inui¹, Takashi Kanda², Masaaki Uematsu², Shiro Hoshida¹

¹Department of Cardiology, Yao Municipal Hospital, Osaka, Japan, ²Kansai Rosai Hospital, Cardiovascular Center, Hyogo, Japan

O59-3 Evaluation of clinical efficacy and problem of PainFree SST programming in discrimination of inappropriate ICD therapy

Shingo Sasaki¹, Takahiko Kinjo², Yuji Ishida², Kenichi Sasaki², Daisuke Horiuchi¹, Taihei Itoh², 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

O59-4 A Case of Inappropriate ICD Therapies in the Patient with Overlap Syndrome of LQT3 and Brugada Syndrome Effectively Treated by Ablation for Atrial Fibrillation

Minetaka Maeda, Tomohiro Arakaki, Kazuaki Okuyama, Kageyuki Ooba, Masanori Kakazu, Osamu Arasaki

Cardiovascular Medicine, Tomishiro Central Hospital, Okinawa, Japan

O59-5 Clinical experience among long QT syndrome patients with the wearable cardioverter defibrillator

Koji Yoshie, Ayako Okada, Wataru Shoin, Takahiro Takeuchi, Morio Shoda, Uichi Ikeda Department of Cardiovascular Medicine, Shinshu University School of Medicine, Nagano, Japan

Room 6 11:50-12:50 Luncheon Seminar29 [LS29]

Pursue the racial and individual difference *

Chair Wataru Shimizu

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

LS29-1 Clinical use of apixaban in a Japanese University Hospital: Focusing on the patient backgrounds and drug efficacy

Meiso Hayashi

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

LS29-2 Inherited syndromes attributable to genetic defects in sodium channel function

Charles Antzelevitch

Cardiovascular Research Program, Lankenau Institute of Medical Research, USA

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

Room 6 13:00-14:00 Oral Presentation [O60]

ICD 2

Chairs Katsuhiko Imai

Department of Cardiovascular Surgery, Hiroshima University Hospital, Hiroshima, Japan

Hideo Okamura

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

O60-1 The influence of cardiac function by shock therapy

Hiroshi Shimada¹, Noriyoshi Yamawake¹, Kiko Lee¹, Munehiro Iiya¹, Ryo Masuda¹, Rena Nakamura¹, Yasuaki Hada¹, Kuniaki Nakano¹, Tomomasa Takamiya¹, Masato Shimizu¹, Hiroyuki Fujii¹, Mitsuhiro Nishizaki¹, Harumizu Sakurada², Masayasu Hiraoka³

¹Department of Cardiology, Yokohama Minami Kyosai Hospital, Kanagawa, Japan, ²Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital, Tokyo, Japan, ³Toride-Kitasouma Medical Association Hospital, Ibaraki, Japan

O60-2 Prognostic Value of Lower Limit of Vulnerability in Patients with Implantable Cardioverter-Defibrillator Implantation

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

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

O60-3 Importance of the Presence of J-wave as a Predictor for Life-threatening Arrhythmia in ICD-implanted Patients

Naruya Ishizue¹, Shinichi Niwano¹, Hironori Nakamura¹, Tazuru Igarashi¹, Tamami Fujiishi¹, Tomoharu Yoshizawa¹, Jun Oikawa¹, Jun Kishihara¹, 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

O60-4 Electrical storm in implantable cardioverter-defibrillator recipients with structural heart disease

Akira Shimane, Katsunori Okajima, Kunihiko Kiuchi, Kiminobu Yokoi, Jin Teranishi, 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, Hiroya Kawai, Yoshinori Yasaka Department of Cardiology, Himeji Cardiovascular Center, Hyogo, Japan

Role of recent catheter ablation for the treatment of electrical storm in patients with structural heart diseases

Yukio Hosaka¹, Masaomi Chinushi², Kazuyoshi Takahashi¹, Akiko Sanada¹, Asami Kashiwa¹, Kazuyuki Ozaki¹, Keiichi Tsuchida¹, Yuki Fujihara¹, Norihito Nakamura¹, Jiro Hiroki¹, Hirotaka Oda¹

¹Department of Cardiology, Niigata City General Hospital, Niigata, Japan, ²School of Health Science, Niigata University School of Medicine, Niigata, Japan

Room 6 14:00-15:00 Oral Presentation [O61]

ICD 3

Chairs Yoshitaka Sugawara

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

Yasushi Oginosawa

The Second Department of Internal Medicine, University of Occupational and Environmental Health Japan School of Medicine, Fukuoka, Japan

O61-1 The Lead Revision or Upgrade for Patients with the Cardiovascular Implantable Electronic Devices

Yuichi Momose, Toshiaki Satoh, Noriko Matsushita, Satoshi Higuchi, Kyoko Hoshida, Yosuke Miwa, Ikuko Togashi, Akiko Ueda, Kyoko Soejima, Hideaki Yoshino *The second Department of Internal Medicine, University of Kyorin, Tokyo, Japan*

O61-2 Study of defibrillation threshold and myocardial injury in the different ICD implantation site with single coil and dual coil

Hikari Hashimoto¹, Mahito Noro¹, Xin Zhu², Takahito Takagi¹, Naohiko Sahara¹, Yuriko Narabayashi¹, Naoshi Ito¹, Yoshinari Enomoto¹, Tsuyoshi Sakai³, Keijiro Nakamura¹, Shingo Kujime¹, Takao Sakata¹, Kaoru Sugi¹

¹Devision of Cardiovascular, Toho University Ohashi Medical Center, Tokyo, Japan, ²Biomedical Information Technology Laboratory, the University of Aizu, Fukushima, Japan, ³Division of Cardiovascular Medicine, Saiseikai Yokohamashi Tobu Hospital, Kanagawa, Japan

O61-3 Trends in the incidence of tachycardia therapy in ICD patients through the decade

Hiroshi Furusho, Naomi Kanamori, Takashi Kusayama, Shinichiro Takashima, Takeshi Kato, Hisayoshi Murai, Soichiro Usui, Shuichi Kaneko, Masayuki Takamura Department of Cardiology, Kanazawa University Hospital, Ishikawa, Japan

O61-4 Deactivation of Implantable Cardioverter-defibrillator at the End of Life

Noriko Matsushita, Toshiaki Sato, Kyoko Soejima, Yuichi Momose, Satoshi Higuchi, Kyoko Hoshida, Akiko Maeda, Yosuke Miwa, Ikuko Togashi, Akiko Ueda, Hideaki Yoshino

Department of Cardiology, Kyorin University Hospital, Tokyo, Japan

O61-5 Comparison of Submammary ICD Implantation in Young Women and Standard ICD Implantation

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

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

Room 6 15:00-16:00 Oral Presentation [O62]

Congenital Heart Diseases

Chairs Hiroya Ushinohama

Department of Pediatrics, Fukuoka Children's Hospital, Fukuoka, Japan

Yoshihito Hata

Cardiovascular Center, Showa University Northern Yokohama Hospital, Kanagawa, Japan

O62-1 Prognosis of radiofrequency catheter ablation in patients with twin atrioventricular nodes before TCPC pocedure

Keiko Toyohara¹, Tomomi Nishimura¹, Takashi Kumamaru¹, Kenji Miyamoto¹, Tsutomu Wada¹, Yoshimichi Kudou¹, Daiji Takeuchi¹, Morio Shoda²

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

O62-2 Long-term outcome of fetal arrhythmia

Hisaaki Aoki, Yasuhiro Hirano, Futoshi Kayatani

Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan

The incidence of appropriate and inappropriate therapies in children and adolescents with implantable cardioverter defibrillator: A single-center experience

Kazuhiro Shoya¹, Kanki Inoue², Mayuko Yagawa², Tomomi Ueda¹, Kohei Tanizaki², Tadahiro Yoshikawa¹, In-Sam Park¹, Jun Umemura², Hitonobu Tomoike²

¹Department of Pediatric Cardiology, Sakakibara Heart Institute, Japan Research Promotion Society for Cardiovascular Diseases, Tokyo, Japan, ²Department of Cardiology, Sakakibara Heart Institute, Japan Research Promotion Society for Cardiovascular Diseases, Tokyo, Japan

O62-4 Outcome of catheter ablation for supraventricular tachycardia in adult congenital heart disease after Fontan

Kenji Miyamoto¹, Tomomi Nishimura¹, Tsutomu Wada¹, Yoshimichi Kudou¹, Daiji Takeuchi¹, Kazuhiro Takahashi¹, Keiko Toyohara¹, Toshio Nakanishi¹, Tetsuyuki Manaka², Koichiro Ejima², Morio Shoda², Nobuhisa Hagiwara²

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

O62-5 Severe sinus node dysfunction in tetralogy of Fallot with long lasting atrial flutter

Hirotaka Muramoto¹, Atsushi Suzuki¹, Koji Higuchi¹, Yuya Utsugi¹, Sawa Matsumoto¹, Keiko Araki¹, Takayuki Onishi¹, Isshi Kobayashi¹, Yuko Onishi¹, Shigeo Umezawa¹, Akihiro Niwa¹, Yasuteru Yamauchi², Kenzo Hirao³

¹Department of Cardiology, Hiratsuka Kyosai Hospital, Kanagawa, Japan, ²Department of Cardiology, Musashino Red Cross Hospital, Tokyo, Japan, ³Heart Rhythm Center, Tokyo Dental Medical University, Tokyo, Japan

Room 7 8:30-9:30 Educational Lecture10 [EL10]

Inappropriate Shock and Way of Bail-out from the Trouble *

Chair Takashi Kurita

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

EL10 Inappopriate Shocks and Way of Bail-Out from the Trouble

Bernard Thibault

University of Montreal, Canada

Room 7 9:30-10:30 Educational Lecture11 [EL11]

Effect of Epicardial Ablation for Atrail Fibrillation 🛨

Chair Kan Takayanagi

Kasukabe Kosei Hospital, Saitama, Japan

Usefulness of Epicardial Catheter Ablation in Repeated Procedure for Persistent Atrial Fibrillation: A Pilot Study

Young-Hoon Kim

Korea University Anam Hospital, Korea

Room 7 10:30-11:30 Guideline Commentary Session [GS]

Syncope and Driving Law: Restriction of Driving in Patients with Reflex Syncope

Chair Koichi Mizumaki

Clinical Research and Ethics Center, University of Toyama, Toyama, Japan

Syncope and Driving Law: Restriction of Driving in Patients with Reflex Syncope

Bonpei Takase¹, Masataka Sumiyoshi²

¹Departmet of Intensive Care Medicine, National Defense Medical College, Saitama, Japan, ²Department of Cardiology, Juntendo University Nerima Hospital, Tokyo, Japan

Room 7 11:50-12:50 Luncheon Seminar30 [LS30]

Protection from Sudden Cardiac Arrest Without Touching the Heart: S-ICD ★

Chair Takashi Nitta

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

LS30-1 Protection from Sudden Cardiac Arrest Without Touching the Heart: S-ICD

Shephal K. Doshi

Cardiac Electrophysiology and Pacing, Saint John's Health Center, USA

(Boston Scientific Japan)

Room 8 8:30-9:30 Oral Presentation [O63]

AF Ablation 13

Chairs Hiroshi Tada

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

Meiso Hayashi

Department of Cardiology, Nippon Medical School, Tokyo, Japan

O63-1 Impact of nadir balloon temperature of cryoablation with pulmonary vein isolation in atrial fibrillation patients

Keita Watanabe¹, Junichi Nitta¹, Yosuke Hayashi¹, Yoshikazu Sato¹, Yukihiro Inamura¹, 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

O63-2 Characteristics of immediate recurrences of atrial fibrillation after Cryoablation

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

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

O63-3 Predictors of Successful Pulmonary Vein Isolation with Cryoballoon Catheter in Patients with Paroxysmal Atrial Fibrillation

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

O63-4 Cryoballon ablation for pulmonary vein isolation to treat paroxysmal atrial fibrillation: First experience in a single center

Masaomi Kimura¹, Daisuke Horiuchi¹, Kenichi Sasaki², Taihei Itoh¹, Noriyoshi Kaname³, Yuji Ishida¹, Takahiko Kinjo¹, Shingo Sasaki¹, 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

O63-5 Acute and Short Term Procedural Outcomes of Using Cryoballoon Ablation

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

Sakurabashi Watanabe Hospital, Cardiovascular Center, Osaka, Japan

Room 8 9:30-10:30 Oral Presentation [O64]

AF Clinical Study 3

Chairs Ichiro Watanabe

Department of Cardiovascular Medicine, Nihon University Graduate School of Medicine, Tokyo, Japan

Taishi Kuwahara

Cardiovascular Center, Yokosuka Kyosai Hospital, Kanagawa, Japan

O64-1 Does the cavo-tricuspid isthmus ablation give benefits on the outcome of AF recurrence as an adjunct to AF ablation?

Shunsuke Kawai, Yasushi Mukai, Shujiro Inoue, Akiko Chishaki, Kenji Sunagawa *Cardiovascular Medicine, Kyushu University, Fukuoka, Japan*

O64-2 Factors Determining Fibrillation Cycle Length in the Surface ECG in Patients with Long-lasting Atrial Fibrillation

Tazuru Igarashi¹, Shinichi Niwano¹, Naruya Ishizue¹, Tamami Fujiishi¹, Tomoharu Yoshizawa¹, Jun Oikawa¹, Jun Kishihara¹, Masami Murakami¹, Hidehira Fukaya¹, Chiharu Noda¹, Hiroe Niwano², Junya Ako¹

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

O64-3 Impact of left ventricular diastolic dysfunction on exercise intolerance in patients with permanent atrial fibrillation

Toshihiko Goto, Kento Mori, Kenta Hachiya, Shohei Kikuchi, Noriyuki Ikehara, Kazuaki Wakami, Nobuyuki Ohte

Department of Cardio-Renal Medicine and Hypertension, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

O64-4 Ankle brachial index as an independent predictor of mortality in Japanese patients with non-valvular atrial fibrillation

Naoharu Yagi, Shinya Suzuki, Takayuki Otsuka, Koichi Sagara, Takeshi Yamashita *The Cardiovascular Institute, Tokyo, Japan*

O64-5 Atrioventricular nodal remodeling resulting from persistent atrial fibrillation

Akinori Sairaku, Yukiko Nakano, Kazuyoshi Suenari, Takehito Tokuyama, Hiroshi Kawazoe, Yoshikazu Watanabe, Hiroya Matsumura, Shunsuke Tomomori, Yasuki Kihara Department of Cardiology, Hiroshima University, Hiroshima, Japan

Room 8 10:30-11:30 Debate8 [D8]

Is an Epicardial Ablation Considered as First-line Therapy?

Chair Harumizu Sakurada

Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital, Tokyo, Japan

D8-1 Pro

Yukio Sekiguchi

Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

D8-2 Con

Kyoko Soejima

Department of Cardiology, Kyorin University Hospital, Tokyo, Japan

Room 8 11:50-12:50 Luncheon Seminar31 [LS31]

Excimer Laser lead extraction *

Chair Kazuo Matsumoto

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

LS31-1 Excimer Laser lead extraction

Oussama Wazni Cleveland Clinic, USA

(DVx Inc.)

Room 8 13:00-14:00 Debate9 [D9]

Is a High-energy Device Necessary for Elderly Patient?

Chair Takashi Kurita

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

D9-1 Pro

Toshiko Nakai

Department of Cardiovascular Medicine, Nihon University School of Medicine, Tokyo, Japan

D9-2 Con

Yoshifumi Ikeda

Saitama Medical University International Medical Center Cardiology, Saitama, Japan

Room 8 14:00-15:00 Oral Presentation [O65]

AF Ablation 14

Chairs Yasuo Okumura

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

Seiichiro Matsuo

Division of Cardiology, The Jikei University Hospital, Tokyo, Japan

O65-1 Significance of Dormant Conduction Provoked by Adenosine for Chronic Reconnection after Pulmonary Vein Isolation

Shunsuke Kuroda¹, Akira Mizukami¹, Maki Ono¹, Makoto Suzuki¹, Akihiko Matsumura¹, Kenzo Hirao², Mitsuaki Isobe³, Yuji Hashimoto¹

¹Department of Cardiology, Kameda Medical Center, Chiba, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan, ³Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

O65-2 Optimal Waiting Period after Completion of the Circumferential Pulmonary Vein Isolation to Assure Durability

Kojiro Tanimoto¹, Akira Kunitomi², Shin Kashimura², Kohei Inagawa¹, Takahiko Nishiyama², Yoshinori Katsumata², Yukinori Ikegami¹, Takehiro Kimura², Nobuhiro Nishiyama², Kotaro Fukumoto², Yoko Tanimoto², Yukihiko Momiyama¹, Seiji Takatsuki² Department of Cardiology, NHO Tokyo Medical Center, Tokyo, Japan, Department of Cardiology, Keio University School of Medicine, Tokyo, Japan

O65-3 Touch-up ablation and loss of pace capture on the isolation line can reduce the spontaneous pulmonary vein reconnection after pulmonary vein isolation

Akihiro Takitsume¹, Taku Nishida¹, Muneo Kurokawa², Atsushi Maekawa², Akihiro Sugimoto², Kenji Onoue¹, Satoshi Okayama¹, Yukiji Takeda¹, Makoto Watanabe¹, Hiroyuki Kawata¹, Rika Kawakami¹, Michinori Kayashima², Yoshihiko Saito¹

¹The First Department of Internal Medicine, Nara Medical University, Nara, Japan, ²The Medical Technology Center, Nara Medical University, Nara, Japan

O65-4 The Effects of Automated Lesion Tagging-based PV Isolation vs. Pace and Ablate Method on ATP-provoked Dormant PV Conduction

Kazumasa Sonoda¹, Yasuo Okumura¹, Ichiro Watanabe¹, Koichi Nagashima¹, Rikitake Kogawa¹, Sayaka Kurokawa¹, Naoko Sasaki¹, Keiko Takahashi¹, Kazuki Iso¹, Kimie Ohkubo¹, Toshiko Nakai¹, Atsushi Hirayama¹, Toshimasa Tosaka²

¹Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan, ²Tokyo Rinkai Hospital, Tokyo, Japan

Room 8 15:00-16:00 Oral Presentation [O66]

AF Ablation 15

Chairs Koji Fukuda

Department of Cardiovascular Medicine, Tohoku University Hospital, Miyagi, Japan

Hiroshi Taniguchi

Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan

O66-1 Impact of CARTO Univu System on Radiation Exposure Time in Radiofrequency Catheter Ablation

Keita Masuda, Miyako Igarashi, Yasutoshi Shinoda, Kojiro Ogawa, Eikou Sai, Mitsutaka Fukata, Ahmed Talib, Yoshiaki Yui, Takeshi Machino, Kenji Kuroki, Yukio Sekiguchi, Akihiko Nogami, Kazutaka Aonuma

Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

O66-2 Who is the operator, that is the problem: A multicenter study

Akinori Sairaku¹, Yukihiko Yoshida², Yukiko Nakano¹, Mayuho Maeda², Yasuki Kihara¹ ¹Department of Cardiology, Hiroshima University, Hiroshima, Japan, ²Department of Cardiology, Nagoya Daini Red Cross Hospital, Aichi, Japan

O66-3 Withdrawn

O66-4 Pacing Based Non-inducibility or Spontaneous Termination of Atrial Fibrillation: Which Has a Better Prognosis after Catheter Ablation?

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

O66-5 Pharmacological and Electrophysiological Inducibility Tests for Predicting of Response to Pulmonary Vein Isolation in Patients with Persistent Atrial Fibrillation

Takayuki Otsuka, Koichi Sagara, Takuto Arita, Naoharu Yagi, Shinya Suzuki, Takeshi Yamashita

The Department of Cardiology, The Cardiovascular Institute, Tokyo, Japan

Room 9 8:30-10:00 Medical Professional Session5 [MPS5]

デバイスと電磁干渉の問題点

座長 佐久間一郎

東京大学大学院工学系研究科附属医療福祉工学開発評価研究センター

大木康則

埼玉医科大学総合医療センターMEサービス部

MPS5-1 デバイスと電磁干渉の問題点

鈴木雅和

東北薬科大学病院臨床工学室

MPS5-2 当院植込み型デバイス患者の電磁干渉対応の現状と問題点

山崎隆文¹,添田 信¹,木滝慶太郎¹,高島 昂¹,野口壮一¹,鈴木 誠²,大野真紀² 「医療法人鉄蕉会亀田総合病院ME室,「医療法人鉄蕉会亀田総合病院循環器内科

MPS5-3 当院、電磁干渉対策チーム (EMI Busters) 2014年活動報告

梅津 努¹, 安島良輝子¹, 助川みや子¹, 縮 恭一², 藤沢伸吉³, 小川幸二郎⁴, 黒木健志⁴, 五十嵐都⁴, 関口幸夫⁴, 野上昭彦⁴, 青沼和隆⁴

¹筑波大学附属病院看護部CDRチーム,²筑波大学附属病院臨床機器管理センター,³筑波大学附属病院放射線部,⁴筑波大学附属病院循環器内科

MPS5-4 デバイス電磁干渉概念の拡張の必要性

豊島 健

日本治療デバイス研究所

Room 9 10:30-11:40 Oral Presentation (Medical Professionals) [M7]

アブレーション5(メディカルプロフェッショナル)

座長 住友直方

埼玉医科大学国際医療センター 小児心臓科

菅井義尚

群馬県立心臓血管センター 循環器内科

M7-1 高周波焼灼による肺静脈隔離術における総通電量と術後心嚢液貯留症例の因果関係 の検討

工藤良介, 三好達也, 鈴木丈二, 四倉昭彦, 吉田 泉, 櫻井正之 社会医療法人社団カレスサッポロ北光記念病院

M7-2 肺静脈隔離術中の洞結節障害を回避するための冠動脈CT活用

都築祐二¹, 伊藤あゆ美¹, 井戸田恵実¹, 越塚 誠¹, 朱宮信光¹, 小林裕明², 鈴木智理² ¹稲沢市民病院放射線科, ²稲沢市民病院循環器内科

M7-3 3Dマッピング用心臓CTにおける造影剤減量を目的としたVolume scan法の有用性

中武 大¹,堀川隆浩¹,坂口正義¹,上村忠男¹,二見繁美²,足利敬一³,柴田剛德³ ¹宫崎市郡医師会病院放射線技術科,²宮崎市郡医師会病院放射線科,³宮崎市郡医師会病院循環器内科

M7-4 心房細動アブレーションの3D mapping systemにおける左房抽出時間短縮の検討

齋藤一樹¹,手代木大介¹,上野明彦²,津田泰任²,山嵜継敬²,村井 治²,竹中 創³ ¹川崎幸病院放射線科,²川崎幸病院循環器内科,³横浜総合病院ハートセンター循環器科

M7-5 心房細動アブレーションにおけるPENTARAY NAV Catheterを用いたCT mergeの検討

柿本真司¹, 三浦俊二¹, 西岡真生¹, 重元智志¹, 西田健夫¹, 福澄洋一¹, 巷岡 聡², 本郷 玄², 野副純世², 芹川 威², 末松延裕², 久保田徹², 岡部眞典², 山本雄祐² ¹済生会福岡総合病院臨床工学部, ²済生会福岡総合病院心臓血管・大動脈センター循環器内科

M7-6 3D mapping装置における左房抽出にかかる時間を短縮のための工夫

芳森亜希子¹,浜 義之²,中野僚哉¹,望月純也¹,夛田和弘¹,桑原大志³,松戸裕治²,山本雅史², 氷見寿治²,佐々木優二¹

¹君津中央病院臨床工学科,²君津中央病院循環器科,³横須賀共済病院循環器内科

Room 9 11:50-12:50 Luncheon Seminar32 [LS32]

Anticoagulation in patients with AF undergoing catheter ablation: how to manage it? *\pm\$

Chair Seiji Takatsuki

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

LS32-1 What VENTURE-AF results tell us?

Riccardo Cappato

The Arrhythmia and Electrophysiology Research Center, Humanitas Research Hospital, Italy

LS32-2 Investigation into better oral anticoagulation during catheter ablation procedure for Japanese atrial fibrillation patients

Koichi Inoue

Cardiovascular Medicine, EP Laboratory and Arrhythmic Service, Sakurabashi Watanabe Hospital, Osaka, Japan

(Bayer Yakuhin, Ltd.)

Room 9 13:00-14:00 Oral Presentation [O67]

AF Ablation 16

Chairs Naoya Oketani

Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima, Japan

Yoshihide Takahashi

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

The relationship of the time-frequency power values of p wave between with and without atrial fibrillation patients

Daisuke Wakatsuki¹, Masaaki Kurata¹, Hisa Shimojima¹, Taku Asano², Mio Ebato¹, Hiroshi Suzuki¹

¹Division of Cardiology, Showa University Fujigaoka Hospital, Kanagawa, Japan, ²Showa University, Tokyo, Japan

O67-2 Impact of left atrial CFAEs area on outcome of catheter ablation for non-paroxysmal atrial fibrillation

Tamotsu Sakamoto, Koichi Mizumaki, Naoya Kataoka, Yosuke Nakatani, Kunihiro Nishida, Hiroshi Inoue

The Second Department of Internal Medicine, University of Toyama, Toyama, Japan

O67-3 Site with Repetitively Appearing Rotors Exhibits High Dominant Frequency (DF) in Atrial Fibrillation (AF): 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

O67-4 The Features and Implications of Autonomic Responses during Radiofrequency Energy Applications in Patients with Atrial Fibrillation

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

O67-5 Impact of Complex Fractionated Atrial Electrograms and Low Voltage Areas on Identification of Atrial Fibrillation Sources

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, Kanagawa, Japan

Room 9 14:00-14:50 Oral Presentation [O68]

AF Ablation 17

Chairs Koji Azegami

Department of Cardiology, Shin-Yurigaoka General Hospital, Kanagawa, Japan

Takaaki Matsuyama

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

O68-1 Differential Effectiveness of Landiolol among Tachycardiac Atrial Fibrillation and Atrial Tachycardia/Flutter in Patients with Left Ventricular Dysfunction

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

The Department of Cardiology, Nippon Medical School, Tokyo, Japan

O68-2 Assessment of the atrial fibrillation ablation outcome using the clinic ECG, monthly 24-h Holter ECG, and twice daily telemonitoring ECG

Takehiro Kimura, Kazuaki Nakajima, Shin Kashimura, Akira Kunitomi, Takahiko Nishiyama, Yoshinori Katsumata, Nobuhiro Nishiyama, Kotaro Fukumoto, Yoko Tanimoto, Yoshiyasu Aizawa, Keiichi Fukuda, Seiji Takatsuki

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

O68-3 Clinical profiles in patients with paroxysmal atrial fibrillation and heart failure during long-term antiarrhythmic drugs therapy

Yuki Matsumoto¹, Takashi Komatsu², Yoshihiro Sato², Mahito Ozawa², Fusanori Kunugita², Reisuke Yoshizawa¹, Yoshihiro Morino², Motoyuki Nakamura¹

¹Division of Cardiology, Department of Internal Medicine, Iwate Medical University, Iwate, Japan, ²Division of Cardioangiology, Nephrology and Endocrinology, Department of Internal Medicine, Iwate Medical University, Iwate, Japan

O68-4 Dressler's syndrome following acute pericarditis after pulmonary vein isolation

Tatsuya Usui, Kentaro Shimada, Nobuyuki Totsuka, Izumi Miyazawa, Nobuyuki Urasawa, Takahiro Kobayashi, Tomoaki Mochidome, Daisuke Kashiwagi, Jiro Yoshioka *Division of Cardiology, Nagano Red Cross Hospital, Nagano, Japan*

Room 9 15:00-16:00 Oral Presentation [O69]

AF Ablation 18

Chairs Yumie Matsui

Department of Cardiology, Saiseikai Izuo Hospital, Osaka, Japan

Hitoshi Hachiya

Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan

O69-1 Perimitral atrial flutter eliminated by radiofrequency ablation within the coronary sinus after endocardial mitral isthmus zone isolation which was completed using the PentaRay catheter

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

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

O69-2 Comparison of Voltage of Complex Fractionated Electrograms, Dominant Frequency Regions Derived from Local Bipolar Recordings during Atrial Fibrillation and Sinus Rhythm

Naoko Sasaki, Yasuo Okumura, Ichiro Watanabe, Koichi Nagashima, Kazumasa Sonoda, Rikitake Kogawa, Keiko Takahashi, Kazuki Iso, Sayaka Kurokawa, Sonoko Ashino, Kimie Ohkubo, Toshiko Nakai, Atsushi Hirayama

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

O69-3 The impact of CHA2DS2-VASc score on the tachycardia cycle length of cavotricuspid isthmus dependent atrial flutter

Keiichi Ashikaga, Shun Nishino, Yusuke Fukushima, Toshiyuki Kimura, Tatsuya Nakama, Makoto Furugen, Hiroshi Koiwaya, Nehiro Kuriyama, Yoshisato Shibata

Division of Cardiology, Miyazaki Medical Association Hospital, Miyazaki, Japan

O69-4 Factors Underlying the Development of Perimitral Atrial Flutter after Extensive Encircling Pulmonary Vein Isolation

Masaki Ota, Yoshiaki Kaneko, Tadashi Nakajima, Tadanobu Irie, Takafumi Iijima, Masahiko Kurabayashi

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

Comparison of Segmental Pulmonary Vein Antrum Isolation to Circumferential Pulmonary Vein Isolation ~Importance of respiratory management ~

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, Kanagawa, Japan

Room 10 8:30-9:30 Oral Presentation [O70]

AF Others 2

Chairs Yoshinari Goseki

Department of Cardiology, Tokyo Medical University, Tokyo, Japan

Katsuaki Yokoyama

Department of Cardiology, Nihon University Hospital, Tokyo, Japan

O70-1 Comparison of Acute Atrial Fibrillation Recurrence and Inflammation between Radiofrequency and Cryoballon Ablation

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

Sakurabashi Watanabe Hospital, Cardiovascular Center, Osaka, Japan

070-2 Withdrawn

O70-3 The Relationship of AF Recurrence with Overlap between Epicardial Adipose Tissue and Circumferential Pulmonary Vein Isolation in Paroxysmal Atrial Fibrillation

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

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

O70-4 Left Atrial 3D Anatomical Mapping Using Three Different Directional Views of CARTOSOUND Can Easily Visualize Detailed Anatomy without CT Integration

Miyako Igarashi, Kenji Kuroki, Takeshi Machino, Yoshiaki Yui, Kojiro Ogawa, Yasutoshi Shinoda, Eikou Sai, Mitsuhiro Fukata, Keita Masuda, Ahmed Talib, Yukio Sekiguchi, Keisuke Kuga, Akihiko Nogami, Kazutaka Aonuma

Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

O70-5 Serial Transition of the Left Atrial Dimension after Radiofrequency Ablation for Atrial Fibrillation

Hideki Koike, Tadashi Fujino, Toshiki Asada, Masaya Shinohara, Ken Kitahara, Toshio Kinoshita, 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

Room 10 9:30-10:30 Oral Presentation [O71]

Anticoagulant 5

Chairs Yuji Murakawa

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

Eitaro Kodani

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

O71-1 Usefulness of risk scoring system excluding female gender from CHA2DS2-VASc in Japanese patients with non-valvular atrial fibrillation: A subanalysis of the J-RHYTHM Registry

Hirofumi Tomita¹, Ken Okumura¹, Hiroshi Inoue², Hirotsugu Atarashi³, Takeshi Yamashita⁴, Hideki Origasa⁵, Eiki Tsushima⁶

¹Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan, ²Second Department of Internal Medicine, University of Toyama School of Medicine, Toyama, Japan, ³Department of Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo, Japan, ⁴Cardiovascular Institute Hospital, Tokyo, Japan, ⁵Division of Biostatistics and Clinical Epidemiology, University of Toyama School of Medicine, Toyama, Japan, ⁶Department of Physical Therapy, Hirosaki University School of Health Science, Aomori, Japan

O71-2 Digitalis is not associated with an increased risk of mortality in Japanese patients with atrial fibrillation: From The Fushimi AF Registry

Hisashi Ogawa¹, Masahiro Esato², Yeong-Hwa Chun², Hikari Tsuji⁴, Hiromichi Wada³, Koji Hasegawa³, Mitsuru Abe¹, Masaharu Akao¹

¹Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto, Japan, ²Department of Arrhythmia, Ijinkai Takeda General Hospital, Kyoto, Japan, ³Division of Translational Research, National Hospital Organization Kyoto Medical Center, Kyoto, Japan, ⁴Tsuji Clinic, Kyoto, Japan

O71-3 Warfarin is most used anticoagulation drug currently: From the Saitama AF registry

Kanna Fujita, Yoshitaka Sugawara, Takeshi Mitsuhashi, Takekuni Hayashi, Tomio Umemoto, Hideo Fujita, Shin-ichi Momomura

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

O71-4 Prediction of Stroke in Patients with Atrial Fibrillation by Electrocardiographic Characteristics

Rena Nakamura¹, Munehiro Iiya¹, Ryo Masuda¹, Kuniaki Nakano¹, Hiroshi Shimada¹, Masato Shimizu¹, Hiroyuki Fujii¹, Noriyoshi Yamawake¹, Mitsuhiro Nishizaki¹, Harumizu Sakurada², Masayasu Hiraoka³

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

O71-5 Withdrawn

Room 10 10:30-11:30 Oral Presentation [O72]

Anticoagulant 6

Chairs Toshimasa Tosaka

Department of Cardiology, Tokyo Rinkai Hospital, Tokyo, Japan

Shinobu Imai

Cardiology, Imai Clinic, Saitama, Japan

O72-1 The efficacy of transesophageal echocardiography for the prevention of systemic embolization in the patients with atrial fibrillation taking Non-vitamin K antagonist oral anticoagulants

Yoko Ito¹, Kentaro Yoshida², Akira Kimata², Naoya Koda², Daigo Hiraya², Masako Misaki², Kazutaka Aonuma¹, Noriyuki Takeyasu¹

¹Cardiovascular Division, Institute of Clinical Medicine, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Ibaraki, Japan, ²Division of Cardiovascular Medicine, Ibaraki Prefectural Central Hospital, Ibaraki, Japan

O72-2 Measurement of the anticoagulant activity in patients under edoxaban therapy for non-valvular atrial fibrillation

Hiroyuki Osanai, Tomohiro Masutomi, Tasuku Kuwayama, Sota Ishihama, Yusuke Sakamato, Naoya Otaka, Teruhiro Sakaguchi, Yoshihito Nakashima, Hiroshi Asana, Masayoshi Ajioka, Kazuyoshi Sakai

Division of Cardiology, Tosei General Hospital, Aichi, Japan

O72-3 Interim report of Post-Marketing Surveillance on the Long-Term Use of dabigatran etexilate in Japanese patients with nonvalvular atrial fibrillation: The J-Dabigatran Surveillance

Hiroshi Inoue¹, Shinichiro Uchiyama², Hirotsugu Atarashi³, Ken Okumura⁴, Yukihiro Koretsune⁵, Masahiro Yasaka⁶, Takeshi Yamashita⁷

¹Second Department of Internal Medicine, University of Toyama School of Medicine, Toyama, Japan, ²Clinical Research Center for Medicine, International University of Health and Welfare, Tokyo, Japan, ³Department of Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo, Japan, ⁴Department of Cardiology, Hirosaki University Graduate School of Medicine, Aomori, Japan, ⁵Institute for Clinical Research, Osaka National Hospital, Osaka, Japan, ⁶Department of Cerebrovascular Medicine and Neurology, Clinical Research Institute, National Hospital Organization Kyushu Medical Center, Fukuoka, Japan, ⁷The Cardiovascular Institute, Tokyo, Japan

O72-4 A case of paroxysmal atrial fibrillation that lupus anticoagulant positive and activated partial thromboplastin time extended after Dabigatran discontinuation

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

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

O72-5 The Adequate Dosage of Initial Heparin Administration During Atrial Fibrillation Ablation in Patients with Taking Non-Vitamin K Antagonist Oral Anticoagulants

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

Room 10 11:50-12:50 Luncheon Seminar33 [LS33]

Gastrointestinal endoscopy and anti-thrombotic agents in an aging society

Chair Takanori Ikeda

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

LS33-1 Gastrointestinal endoscopy and anti-thrombotic agents in an aging society

Fuyuhiko Yamamura

Showa University Hospital Endoscopy Center, Tokyo, Japan

(Takeda Pharmaceutical Company Limited)

Room 10 13:00-14:00 Oral Presentation [O73]

AF Clinical Study 4

Chairs Naoya Tsuboi

Department of Cardiology, Chukyo Hospital, Aichi, Japan

Akira Sato

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

O73-1 Factors associated with periesophageal vagal nerve injury after pulmonary vein antrum isolation

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

O73-2 Catheter Ablation for Atrial Fibrillation in Adult Patients with Atrial Septal Defect

Yoshihito Hata, Keitaro Isozaki, Takeshi Yamazaki, Kazuto Fujimoto, Takanari Fujii, Hideshi Tomita

Cardiovascular Center, Showa University Northern Yokohama Hospital, Kanagawa, Japan

O73-3 A Case of Atrial Fibrillation Ablation with Local Capturing of Isolated Pulmonary Vein Sleeve from Distal Coronary Sinus Mimicking Pulmonary Vein Reconnection

Osamu Inaba¹, Yasuteru Yamauchi¹, Shu Yamashita¹, Masahiro Sekigawa¹, Tatsuhiko Hirao¹, Junji Yamaguchi¹, Takamasa Iwai¹, Hirofumi Arai¹, Satoshi Shoji¹, Kandou Kawahatsu¹, Ryouichi Miyazaki¹, Tetsuo Yamaguchi¹, Nobuhiro Hara¹, Tomoyuki Umemoto¹, Takamichi Miyamoto¹, Toru Obayashi¹, Kenzo Hirao²

¹The Department of Cardiovascular Medicine, Musashino Red Cross Hospital, Tokyo, Japan, ²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

O73-4 Efficacy of cardiac effusion monitoring by intracardiac echo during atrial fibrillation ablation complicated with cardiac tamponade

Tatsuhiko Hirao¹, Yasuteru Yamauchi¹, Osamu Inaba¹, Shu Yamashita¹, Masahiro Sekikawa¹, Junji Yamaguchi¹, Takamasa Iwai¹, Hirofumi Arai¹, Satoshi Shoji¹, Kandou Kawahatsu¹, Ryouichi Miyazaki¹, Tetsuo Yamaguchi¹, Nobuhiro Hara¹, Tomoyuki Umemoto¹, Takamichi Miyamoto¹, Toru Obayashi¹, Kenzo Hirao²

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

O73-5 A case of permanent sinus node dysfunction after catheter ablation of atrial fibrillation

Tomomichi Suzuki, Hiroyuki Kobayashi, Daizo Ishihara, Shigeki Kobayashi

Room 10 14:00-15:00 Oral Presentation [074]

Anticoagulant 7

Chairs Toshihiko Ohara

Department of General Medicine, Nippon Medical School Hospital, Tokyo, Japan

Masahiro Ogawa

Department of Cardiology, Fukuoka University School of Medicine, Fukuoka, Japan

O74-1 Impact of Vitamin K-antagonists treatment on the prognosis of atrial fibrillation patients with severe renal dysfunction: Analysis from Shinken Database

Takuto Arita, Shinya Suzuki, Naoharu Yagi, Takayuki Otsuka, Koichi Sagara, Takeshi Yamashita

Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo, Japan

O74-2 Predicting poor INR control amongst Japanese patients with atrial fibrillation taking warfarin: Impact of the SAMeTT2R2 score

Mayumi Yamamoto¹, Eiichi Watanabe¹, Masayuki Koshikawa¹, Tomohide Ichikawa¹, Kentarou Okuda¹, Yoshihiro Sobue¹, Masahide Harada¹, Gregory YH Lip², Yukio Ozaki¹ Department of Internal Medicine, Fujita Health University, Aichi, Japan, ²University of Birmingham Centre for Cardiovascular Sciences City Hospital, Birmingham, UK

O74-3 Differences between patients treated with NOACs and patients on uninterrupted warfarin in intraprocedural ACT during catheter ablation for atrial fibrillation

Akihiro Nakada¹, Seiji Fukamizu¹, Kiyotaka Yoshida¹, Satoshi Miyazawa¹, Iwanari Kawamura¹, Yuichi Moriyama¹, Ken Arai¹, Toshiki Kaihara¹, Motohiro Asaki¹, Takeshi Kitamura¹, Rintaro Hojo¹, Yuya Aoyama¹, Kota Komiyama¹, Tamotsu Tejima¹, Harumizu Sakurada², Mitsuhiro Nishizaki³, 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 Kitasohma Medical Center Hospital, Ibaraki, Japan

074-4 Withdrawn

O74-5 Is Discontinuation of Oral Anticoagulation after Successful Atrial Fibrillation Ablation Justified in Patients with a Low Risk of Embolic Events?

Yoshihiro Ikai, Itsuro Morishima, Hideyuki Tsuboi, Michitaka Uesugi, Yasuhiro Morita, Yosuke Inoue, Ruka Yoshida, Tappei Furuta, Toshiro Tomomatsu, Kazushi Terada, Naoki Shibata, Kazuhito Tsuzuki, Takahito Sone

Department of Cardiology, Ogaki Municipal Hospital, Gifu, Japan

Room 10 15:00-15:50 Oral Presentation [O75]

AF Ablation 19

Chairs Fumitaka Isobe

Senri-Chuo Hospital, Osaka, Japan

Yosuke Ishii

Nippon Medical School, Tokyo, Japan

O75-1 Our experience of catheter ablation for atrial tachyarrhytmia after Maze procedure

Takatsugu Kajiyama, Marehiko Ueda, Kazuo Miyazawa, Masayuki Ishimura, Naotaka Hashiguchi, Yoshio Kobayashi

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

O75-2 Atrial Tachyarrhythmias After Surgical Maze Procedure - Characteristics and Outcomes of Catheter Ablation -

Daisuke Yoshimoto, Kohei Yamashiro, Kazuto Kujira, Mitsuaki Itoh, Yuichiro Sakamoto Department of Cardiology, Toyohashi Heart Center, Aichi, Japan

O75-3 A Case of Atrial Tachycardia Originated from Posterior Wall of Left Atrium after Maze Procedure

Shingo Kujime, Sou Takenaka, Daisuke Iida, Motosu Ando, Naoki Saito, Yuzuru Yambe Department of Cardiology, Heart Center, Yokohama General Hospital, Kanagawa, Japan

O75-4 A case of a successful catheter ablation of a postoperative atrial tachycardia after Mitral valve surgery and a MAZE IV

Toshimitsu Suga, Hiroshi Nasu, Kenji Kageshima

Tottori Prefectural Central Hospital, Division of Cardiology, Tottori, Japan

Room 11 8:30-9:30 Oral Presentation [O76]

AF Others 3

Chairs Koichi Mizumaki

Clinical Research and Ethics Center, University of Toyama, Toyama, Japan

Takayuki Otsuka

The Department of Cardiology, The Cardiovascular Institute, Tokyo, Japan

P-wave duration after cavotricuspid isthmus catheter ablation is associated with left atrial diameter and right atrial conduction time

Hiroaki Watanabe, Tomoyuki Kabutoya, Yasuhiro Yokoyama, Akihiro Satou, Tomonori Watanabe, Takahiro Komori, Yasushi Imai, Kazuomi Kario

Division of Cardiovascular Medicine, Jichi Medical University School of Medicine, Tochiqi, Japan

O76-2 P-wave Morphology Criteria Predicting Right Superior Pulmonary Vein Origin Atrial Tachycardia -Comparing ECG during Sinus Rhythm-

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

O76-3 Does left atrial electroanatomical remodeling involve the P-wave to left appendage time determined by noninvasive transthoracic echocardiography?

Yuichi Hori, Shiro Nakahara, Naofumi Tsukada, Akiko Okano, Noritaka Toratani, Yoshihiko Sakai

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

O76-4 New methods for reduction of noises and the changes in frequency profile during P wave in patients with atrial fibrillation after pulmonary vein isolation

Nami Takano¹, Takeshi Tsutsumi², Haruhito Takano³, Takanobu Tomaru⁴, Toshiaki Nakajima¹, Issei Komuro¹

¹Department of Cardiovascular Medicine, University of Tokyo, Tokyo, Japan, ²Division of Cardiology, Eda Memorial Hospital, Kanagawa, Japan, ³Takano Clinic, Tokyo, Japan, ⁴Department of Clinical Physiology, Sakura Medical Center, Toho University, Chiba, Japan

O76-5 Assessment of P Wave Signal-Averaged ECG in Patients with Hypertension to Investigate the Preventive Effect of Eplerenone on Atrial Fibrillation

Masato Kawasaki, Takahisa Yamada, Yoshio Furukawa, Tsutomu Kawai, Satoshi Takahashi, Masatake Fukunami

Division of Cardiology, Osaka General Medical Center, Osaka, Japan

Room 11 9:30-10:30 Oral Presentation [O77]

AF Others 4

Chairs Atsushi Iwasa

Department of Cardiology, Shin-Tokyo Hospital, Chiba, Japan

Kazuaki Kitani

Department of Cardiology, Tenri Hospital, Nara, Japan

O77-1 Safety and Efficacy of Catheter Ablation in Elderly Patients with Atrial Fibrillation

Kazuhito Tsuzuki, Itsuro Morishima, Hideyuki Tsuboi, Michitaka Uesugi, Yasuhiro Morita, Yosuke Inoue, Ruka Yoshida, Tappei Furuta, Toshiro Tomomatsu, Kazushi Terada, Yoshihiro Ikai, Naoki Shibata, Takahito Sone

Ogaki Municipal Hospital, Gifu, Japan

O77-2 Clinical Significance of C-reactive Protein Transcardiac Extraction in Patients with Atrial Fibrillation

Keiji Inoue, Akira Sakamoto, Kohei Kawamura, Toru Tanigaki, Koji Isodono, Yoshinori Tsubakimoto, Tomohiko Sakatani, Shinzo Kimura, Akiko Matsuo, Hiroshi Fujita Department of Cardiology, Kyoto Second Red Cross Hospital, Kyoto, Japan

O77-3 The impact of smoking on prognosis of patients with atrial fibrillation: Analysis from Shinken Database 2004-2011

Shinya Suzuki, Takayuki Otsuka, Takuto Arita, Naoharu Yagi, Koichi Sagara, Takeshi Yamashita

Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo, Japan

O77-4 Is hyperuricemia a predictor of recurrent atrial fibrillation after catheter ablation?

Reiji Takahashi, Hideyuki Kishima, Kenki Ashida, Takanao Mine, Tohru Masuyama *The Department of Internal Medicine, Cardiovascular Division, Hyogo College of Medicine, Hyogo, Japan*

O77-5 Systemic Inflammation Contributes to Muscle Proteolysis and Weakness in Atrial Fibrillation

Masayuki Koshikawa, Masahide Harada, Tomohide Ichikawa, Mayumi Yamamoto, Yoshihiro Sobue, Kentarou Okuda, Eiichi Watanabe, Yukio Ozaki

Department of Cardiology, Fujita Health University School of Medicine, Aichi, Japan

Room 11 10:30-11:30 Oral Presentation [O78]

AF Heart Failure

Chairs Shinya Suzuki

Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo, Japan

Takeshi Sasaki

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

O78-1 Pre-procedural plasma atrial natriuretic peptide level might be a predictive factor for the maintenance of sinus rhythm after radiofrequency catheter ablation of atrial fibrillation

Satoshi Aita, Kenji Kuroki, Miyako Igarashi, Yukio Sekiguchi, Akihiko Nogami, Kazutaka Aonuma

Cardiovascular Division, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan

O78-2 Relationship between renal function and NTproBNP changes after the radiofrequency catheter ablation of atrial fibrillation

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

Department of Internal Medicine, Cardiovascular, Respiratory and Neurology Division, Asahikawa Medical University, Hokkaido, Japan

O78-3 The Efficacy of Atrial Fibrillation Ablation on the Cardiac Function in Patients with Depressed Ejection Fraction

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

Section of Arrhythmia, Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Hospital, Hyogo, Japan

O78-4 Efficacy of Atrial Fibrillation (AF) Ablation in Patients with Persistent AF, Left Ventricular Dysfunction and Symptomatic Heart Failure

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

Sendai City Hospital, Miyagi, Japan

O78-5 Clinical benefits of catheter ablation therapy for persistent atrial fibrillation accompanying systolic heart failure

Susumu Takase, Yasushi Mukai, Shujiro Inoue, Tomomi Nagayama, Tetsuya Matoba, Akiko Chishaki, Kenji Sunagawa

Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka, Japan

Room 11 11:50-12:50 Luncheon Seminar34 [LS34]

Recent Progress of the Magnetic Catheter Maneuvering System (Epoch, Stereotaxis) ★

Chair Yoshito Iesaka

Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan

LS34-1 Evidence for Superior Tissue Contact and Lesion Creation with Stereotaxis Magnetic Navigation

Pramesh Kovoor

Department of Cardiology, Westmead Hospital, Australia

LS34-2 RF Lesion Formation: Is Magnetic Navigation Effective and Can We Predict It?

Hiroshi Nakagawa

Heart Rhythm Institute, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, USA

(HOKUSHIN MEDICAL CO., LTD.)

Room 11 13:00-14:00 Insurance Committee Session [ICS]

医療技術等の費用対効果評価の方法と制度への応用

座長 松本万夫

公益財団法人東松山医師会東松山医師会病院/埼玉医科大学国際医療センター心臓内科

小林洋一

昭和大学医学部内科学講座循環器内科

ICS 医療技術等の費用対効果評価の方法と制度への応用

福田 敬

国立保健医療科学院・医療・福祉サービス研究部

Room 11 14:00-14:50 Oral Presentation [O79]

AF Clinical Study 5

Chairs Yoshimasa Murakami

Department of Cardiology, Nagoya City East Medical Center, Aichi, Japan

Masaomi Kimura

Hirosaki University Graduate School of Medicine, Department of Hypertension Stroke Medicine, Aomori, Japan

O79-1 Pulmonary vein isolation including septum, bottom, and left pulmonary vein ridge areas makes same outcome in paroxysmal and persistent atrial fibrillation within 1 year

Shinji Kaneko, Ryuji Kubota, Taiki Ohashi, Masaya Fujita, Tomoaki Haga, Shingo Narita, Takahiro Kamihara, Kazutoshi Yamaguchi, Junya Suzuki, Noriyuki Suzuki, Masanori Shinoda

Department of Cardiology, Toyota Kosei Hospital, Aichi, Japan

O79-2 Left atrial reverse remodeling prevents recurrence of atrial fibrillation after catheter ablation of persistent atrial fibrillation

Yoshihiko Kagawa, Eitaro Fujii, Satoshi Fujita, Masaaki Ito

Department of Cardiology and Nephrology, Mie University Graduate School of Medicine, Mie, Japan

O79-3 Impact of Postprocedural Antiarrhythmic Drug Therapy with Bepridil on Maintaining Sinus Rhythm after Catheter Ablation in Patients with Persistent Atrial Fibrillation

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

Department of Cardiology, Tottori University Hospital, Tottori, Japan

O79-4 No Efficacy of Antiarrhythmic Drugs during the First 3-months after Pulmonary Vein Isolation in Patients with Persistent Atrial Fibrillation

Sayako Hirose, Koji Miyamoto, Mitsuru Wada, Ikutaro Nakajima, Kohei Ishibashi, 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 11 15:00-16:00 Oral Presentation [O80]

AF Ablation 20

Chairs Itsuro Morishima

Department of Cardiology, Ogaki Municipal Hospital, Gifu, Japan

Shinsuke Miyazaki

Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Ibaraki, Japan

O80-1 Non-contrast CT is enough to provide anatomical information for atrial fibrillation ablation

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

O80-2 The efficacy and safety of catheter ablation for atrial fibrillation using open irrigation catheter in patients on chronic hemodialysis

Yoshio Furukawa, Takahisa Yamada, Masato Kawasaki, Tsutomu Kawai, Satoshi Takahashi, Masatake Fukunami

Division of Cardiology, Osaka General Medical Center, Osaka, Japan

O80-3 The outcomes of the hybrid therapy combined with pulmonary vein isolation and amiodarone in hemodialysis patients with paroximal atrial fibrillation

Sari Imamura, Kazuaki Kaitani, Maiko Kuroda, Yusuke Yoshikawa, Yukiko Hayama, Naoaki Onishi, Chisato Izumi, Yoshihisa Nakagawa

Department of Cardiology, Tenri Hospital, Nara, Japan

O80-4 The impact of non-contrast-enhanced magnetic resonance image integration into an electroanatomic mapping system on catheter ablation of paroxysmal atrial fibrillation

Kiminobu Yokoi, Katsunori Okajima, Misato Chimura, Kosuke Aoki, Jin Teranishi, Kunihiko Kiuchi, Akira Shimane, Shinichiro Yamada, Yasuyo Taniguchi, Yoshinori Yasaka, Hiroya Kawai

The Department of Cardiology, Hyogo Prefectural Himeji Cardiovascular Center, Hyogo, Japan

O80-5 Albuminuria in patients with atrial fibrillation is associated with persistent form of atrial fibrillation

Yutaka Take, Kimikazu Banba, Kensuke Matsumoto, Minako Ohara, Akihiro Hayashida, Tohru Ohe

Department of Cardiovascular Medicine, The Sakakibara Heart Institute of Okayama, Okayama, Japan

Chaired Poster (1st Lane) 9:00-9:35 Chaired Poster Session [P24]

AF 12

Chairs Kaoru Okishige

Heart Center, Yokohama-City Bay Red Cross Hospital, Kanagawa, Japan

Koichi Inoue

Cardiovascular Center, Sakurabashi Watanabe Hospital, Osaka, Japan

Soluble fibrin monomer complex(SFMC) as a sensitive marker of possible hyper-coagulability after ablation for atrial fibrillation

Toshikazu Funazaki, Satoru Komura, Takayuki Tanaka, Akimitsu Nasuno, Yutaka Terajima, Akiko Ueno, Risako Nakao, Atsushi Takagi, Naoki Naito Department of Cardiovascular Medicine, Saiseikai Kawaguchi General Hospital, Saitama, Japan

P24-2 Effectiveness of Autonomic Nervous Activity by Pulmonary Vein Isolation for Atrial Fibrillation; Spectral Analysis of Heart Rate Variability Changes During Ablation by Holter Electrocardiogram

Kentaro Nakamura¹, Kyouichi Sudoh¹, Fumio Suzuki², Keisuke Ueda¹, Takashi Nakagawa¹, Yuuji Kasaoka¹, Atsuko Abe¹

¹The Cardiovascular Medical and Sergical Center, Shinyamanote Hostpital, Tokyo, Japan, ²Fukujuji Hospital, Cardiology, Tokyo, Japan

P24-3 The characteristics of the prevalence of non-PV foci after isolation for posterior wall of left atrium in the patients with long-standing persistent atrial fibrillation

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

P24-4 Electrocardiographic PR prolongation predicts the outcome of pulmonary vein isolation in patients with paroxysmal atrial fibrillation

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

P24-5 Stroke Prevention and Management of Atrial Fibrillation with Box Isolation on Chronic Hemodialysis Patients

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

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

Chaired Poster (1st Lane) 9:35-10:10 Chaired Poster Session [P25]

AF 13

Chairs Shigeru Ikeguchi

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

Mahito Noro

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

P25-1 The efficacy of PLSVC isolation in a case of atrial fibrillation recurrence after PV isolation

Shujiro Inoue, Yasushi Mukai, Susumu Takase, Kazuo Sakamoto, Shunsuke Kawai, Akiko Chishaki, Kenji Sunagawa

The Department of Cardiovascular Medicine, Kyushu University, Fukuoka, Japan

P25-2 A case of atrial fibrillation in a patient of partial anomalous pulmonary venous return

Tamami Nakagawa, Satoru Sakagami, Takahiro Saeki, Akio Chikata Department of Cardiology, Kanazawa Medical Center, Ishikawa, Japan

P25-3 The importance of the electrode-tissue contact force information to identify the ganglionated plexus sites in the patients of atrial fibrillation

Yasuhito Kubochi¹, Katsuaki Yokoyama¹, Kei Nishikawa¹, Masakazu Komoriya¹, Mitsunobu Enomoto¹, Hidehito Takase¹, Kagari Matsudaira¹, Keiichi Sugiono¹, Naoya Matsumoto¹, Atsushi Hirayama²

¹Department of Cardiology, Nihon University Hospital, Tokyo, Japan, ²Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan

P25-4 A case of successful CTI ablation with a cooling effect due to the well-perfused RCA

Takahiro Kamihara, Shinji Kaneko, Kazutoshi Yamaguchi, Shingo Narita, Masaya Fujita, Taiki Ohashi, Ryuji Kubota, Masanori Shinoda

The Department of Cadiology, Toyota Kosei Hospital, Aichi, Japan

P25-5 Warfarin-related nephropathy occurred during anticoagulation therapy with dabigatoran

Tae Ishikawa¹, Koji Azegami¹, Keita Handa¹, Kazuya Murata¹, Yoshimitsu Otsuka¹, Shingo Watanabe¹, Kaoru Sakurai¹, Michiya Shinozaki², Kenzo Hirao³, Mitsuaki Isobe⁴

¹Department of Cardiovascular Medicine, Shin-yurigaoka General Hospital, Kanagawa, Japan, ²Department of Nephrology, Shin-yurigaoka General Hospital, Kanagawa, Japan, ³Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan, ⁴Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

Chaired Poster (1st Lane) 10:10-10:45 Chaired Poster Session [P26]

SVT 2

Chairs Junichi Nitta

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

Takashi Komatsu

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

P26-1 Common & uncommon AVNRT treated by CSOS-TV liner ablation without any junctional escape rhythm

Kenji Enta, Masayuki Gotou, Kazuki Tanaka, Asako Kumagai, Koji Inoue, Hiroshi Koganei, Masato Ootsuka, Yasuhiro Ishii

Ogikubo Hospital, Tokyo, Japan

P26-2 A success case that ablated left post-septum accessory pathway with decremental conduction properties

Kei Yamashiro¹, Tatsushi Shinzato², Hiroyuki Tokiwa¹, Genri Numata¹, Hiroshi Matsunaga¹, Toru Tamaki¹, Akihito Kosaka¹, Tetsuya Saito¹, Akiko Ishihara¹, Yoshiro Kamoi¹, Takahiro Tanaka¹

¹Department of Cardiology Cardiovascular Center, Showa General Hospital, Tokyo, Japan, ²Department of Cardiology, Shonan Hospital, Kanagawa, Japan

P26-3 Successful Slow Pathway Ablation without Junctional Beats in a Patients with Persistent Left Superior Vena Cava

Satoshi Shoji¹, Yasuteru Yamauchi¹, Osamu Inaba¹, Junji Yamaguchi¹, Takamasa Iwai¹, Hirofumi Arai¹, Kandou Kawahatsu¹, Tatsuhiko Hirai¹, Ryouichi Miyazaki¹, Shu Yamashita¹, Masahiro Sekigawa¹, Tetsuo Yamaguchi¹, Nobuhiro Hara¹, Tomoyuki Umemoto¹, Takamichi Miyamoto¹, Toru Obayashi¹, Kenzo Hirao²

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

P26-4 A one-month boy of virus myocarditis by Coxsackievirus B3 presented 2 kinds of paroxysmal supraventricular tachycardia

Shuhei Fujita, Tatsuya Kubo, Kiyoshi Hatasaki

Department of Pediatrics, Toyama Prefectural Central Hospital, Toyama, Japan

P26-5 Hidden complete AV block after failed WPW syndrome ablation

Jun Yoshimoto, Sung-Hae Kim, Norie Mitsushita, Masaki Nii, Yasuo Ono Department of Cardiology, Shizuoka Children's Hospital, Shizuoka, Japan

Chaired Poster (1st Lane) 10:45-11:20 Chaired Poster Session [P27]

AF 14

Chairs Shiro Nakahara

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

Kojiro Tanimoto

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

P27-1 A case developing coronary artery spasm during pulmonary vein isolation, who are coexisted with isolated adrenocorticotrophic hormone deficiency

Osamu Wakisaka¹, Tatsuhiko Ooie¹, Miho Haraguchi¹, Shozo Yamasue¹, Masaya Arikawa¹, Naohiko Takahashi²

¹Oita Medical Center, Oita, Japan, ²Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Oita, Japan

P27-2 A case report of a cerebral infarction during anticoagulation bridging with atrial fibrillation

Masanori Yabuki, Shinya Nagayama, Yorihiko Higashino, Satoru Otsuji, Shin Takiuchi, Katsuaki Asano, Motoaki Ibuki, Katsuyuki Hasegawa, Toshikazu Kashiyama, Daisuke Shishikura, Kasumi Ishibuchi, Akiko Fujino, Rui Ishii

Higashi Takarazuka Satoh Hospital, Cardiovascular Division, Hyogo, Japan

P27-3 Hybrid Therapy of Amiodarone and Pulmonary Vein Isolation against Tachycardia-induced Cardiomyopathy Caused by Atrial Fibrillation

Makoto Nakano, Koji Fukuda, Masateru Kondo, Masato Segawa, Michinori Hirano, Takahiko Chiba, Hiroaki Shimokawa

Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Miyagi, Japan

P27-4 Disconnection of the left inferior pulmonary vein eliminates longstanding, symptomatic atrial premature contractions: A case report

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

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

P27-5 Nifekalant with Rapid Ventricular Pacing Suppressed Incessant Ventricular Tachycardia after Urgent Coronary Artery Bypass Surgery in the Patient with Acute Myocardial Infarction

Hironori Nakamura¹, Hidehira Fukaya¹, Shinichi Niwano¹, Yuta Ono¹, Takuya Hashimoto¹, Tazuru Igarashi¹, Tamami Fujiishi¹, Naruya Ishizue¹, Tomoharu Yoshizawa¹, Jun Kishihara¹, Masami Murakami¹, Tomohiro Mizutani¹, Ichiro Takeuchi², Tadashi Kitamura³, Kagami Miyaji³, Junya Ako¹

¹Department of Cardiovascular Medicine, Kitasato University School of Medicine, Kanagawa, Japan, ²Department of Emergency and Disaster Medicine, Kitasato University School of Medicine, Kanagawa, Japan, ³Department of Cardiovascular Surgery, Kitasato University School of Medicine, Kanagawa, Japan

Chaired Poster (1st Lane)

13:10-13:52 Chaired Poster Session [P28]

Ion Channel 2★

Chairs Naomasa Makita

Department of Molecular Physiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

Yoshiyasu Aizawa

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

P28-1 Generation of the *TRPM4* knock out human induced pluripotent stem cells by genome editing using the CRISPR-Cas9 nickase

Yuta Yamamoto¹, Takeru Makiyama¹, Kenichi Sasaki¹, Mamoru Hayano¹, Takeshi Harita¹, Suguru Nishiuchi¹, Jiarong Chen¹, Yimin Wuriyanghai¹, Hirohiko Kohjitani¹, Tsukasa Kamakura¹, Yoshinori Yoshida², Seiko Ohno³, Minoru Horie³, Takeshi Kimura¹

¹Department of Cardiovascular Medicine, Kyoto University, 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

P28-2 Suppressive Effect of Flecainide on T-Wave Alternans in Andersen-Tawil Syndrome

Hideki Hayashi, Shoko Shimizu, Seiko Ohno, Minoru Horie

Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan

P28-3 Transcriptome profile of mouse sinoatrial node

Yosuke Okamoto¹, Kirill V. Tarasov¹, Yelena S. Tarasova¹, Bruce D. Ziman¹, Joohne Lee¹, Edward G. Lakatta¹, Manabu Murakami²

¹Laboratory of Cardiovascular Science, National Institute on Aging, National Institute of Health, Baltimore, MD, USA, ²Department of Pharmacology, Hirosaki University Graduate School of Medicine, Aomori, Japan

P28-4 ML277 shortens prolonged action potential durations in a patientspecific induced pluripotent stem cell-based model of long-QT syndrome type 1

Yimin Wuriyanghai¹, Takeru Makiyama¹, Kenichi Sasaki¹, Tsukasa Kamakura¹, Jiarong Chen¹, Mamoru Hayano¹, Yuta Yamamoto¹, Takeshi Harita¹, Suguru Nishiuchi¹, Hirohiko Kohjitani¹, Seiko Ohno², Ken Watanabe³, Takeshi Kimura¹, Minoru Horie²

¹Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan, ²Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Shiga, Japan, ³Kitano Hospital, Department of Pediatrics, Tazuke Kofukai Foundation, Medical Research Institute, Osaka, Japan

P28-5 Prominent regionally-independent dynamics of T-wave alternans in a patient with type 3 long QT syndrome

Nobuhiro Takasugi¹, Hiroko Goto², Takashi Kuwahara², Takashi Nakashima¹, Tomoki Kubota¹, Kazuhiko Nishigaki¹, Shinya Minatoguchi¹

¹Division of Cardiovascular Medicine, Gifu University Hospital, Gifu, Japan, ²Department of Pediatric Cardiology, Gifu Prefectural General Medical Center, Gifu, Japan

P28-6 Cardiac Sodium Channel Mutation Associated with Epinephrine-Induced QT Prolongation and Sinus Node Dysfunction

Jiarong Chen¹, Takeru Makiyama¹, Yimin Wuriyanghai², Seiko Ohno², Kenichi Sasaki¹, Mamoru Hayano¹, Takeshi Harita¹, Suguru Nishiuchi¹, Yuta Yamamoto¹, Takeshi Ueyama³, Akihiko Shimizu³, Minoru Horie², Takeshi Kimura¹

¹Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan, ²Center for Epidemiologic Research in Asia, Shiga University of Medical Science, Shiga, Japan, ³Department of Medicine and Clinical Science, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

Chaired Poster (1st Lane) 13:52-14:34 Chaired Poster Session [P29]

AF 15

Chairs Yeonghwa Chun

Arrhythmia Center, Takeda Hospital, Kyoto, Japan

Yoshifumi Okano

Department of Cardiology, Ohkubo Hospital, Tokyo, Japan

P29-1 Opposite activation of the coronary sinus and inferior left atrium during left atrial appendage pacing after mitral isthmus linear ablation

Hisashi Murakami, Tomoyuki Shibata, Naoki Tsurumi, Masahiro Yoshida, Hiroki Kojima, Shuro Riku, Takuya Okada, Kenji Kada, Naoya Tsuboi

The Department of Cardiology, JCHO Chukyo Hospital, Aichi, Japan

P29-2 Pulmonary vein tachycardia after pulmonary vein isolation for persistent atrial fibrillation in a young patient with dilated right atrium following surgery of congenital heart disease

Gaku Izumi¹, Hisashi Yokoshiki², Hirofumi Mitsuyama², Kazuya Mizukami², Taro Tenma², Takuo Furukawa¹, Kouta Takei¹, Hirokuni Yamazawa¹, Atsuhito Takeda¹

¹Pediatrics, Hokkaido University, Hokkaido, Japan, ²Cardiology, Hokkaido University, Hokkaido, Japan

P29-3 Rebound of coagulation activity?: Two cerebral infarction cases with atrial fibrillation during anticoagulation interruptions

Masanori Yabuki, Shinya Nagayama, Yorihiko Higashino, Satoru Otsuji, Shin Takiuchi, Katsuaki Asano, Motoaki Ibuki, Katsuyuki Hasegawa, Toshikazu Kashiyama, Daisuke Shishikura, Kasumi Ishibuchi, Akiko Fujino, Rui Ishii

Higashi Takarazuka Satoh Hospital, Cardiovascular Division, Hyogo, Japan

P29-4 A Case with a Stable Rotor Observed During Atrial Fibrillation Using 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

P29-5 Cryoballoon ablation for paroxysmal atrial fibrillation in patient with a common trunk of the left pulmonary veins

Hiroaki Sugiyama¹, Satoshi Shizuta¹, Hidehito Hamaguchi², Tetsuma Kawaji¹, Kentaro Nakai¹, Takeru Makiyama¹, Wataru Ono¹, Takeshi Kimura¹

¹Department of Cardiovascular Medicine, Kyoto University Hospital, Kyoto, Japan, ²Tesseikai Neurosurgical Hospital, Osaka, Japan

P29-6 Hybrid thoracoscopic and catheter ablation for treatment of refractory long-standing persistent atrial fibrillation: A case report

Satoshi Miyazawa¹, Seiji Fukamizu¹, Kiyotaka Yoshida¹, Iwanari Kawamura¹, Akihiro Nakada¹, Yuichi Moriyama¹, Ken Arai¹, Toshiki Kaihara¹, Motohiro Asaki¹, Takeshi Kitamura¹, 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 Kitasohma Medical Center Hospital, Ibaraki, Japan

Chaired Poster (1st Lane) 14:34-15:16 Chaired Poster Session [P30]

AF 16

Chairs Satoru Sakagami

Department of Cardiovascular Medicine, NHO Kanazawa Medical Center, Ishikawa, Japan

Tadashi Fujino

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

P30-1 The analysis of dominant frequency and regularity index for clinical outcome of catheter ablation to atrial fibrillation

Yoshiaki Mizutani, Yasuya Inden, Tadahiro Itou, Tomoyuki Nagao, Satoshi Okumura, Hiroyuki Katou, Satoshi Yanagisawa, Shinji Ishikawa, Naoki Yoshida, Makoto Hirai, Toyoaki Murohara

Nagoya University Hospital, Aichi, Japan

P30-2 Importance of Additional Left Atrial Roof Linear Ablation for Fixed Atrial Fibrillation: The Role of LA Roof for AF Maintenance

Naoki Saito, Sou Takenaka, Daisuke Iida, Motosu Ando, Shingo Kujime, Yuzuru Yambe Department of Cardiology, Heart Center, Yokohama General Hospital, Kanagawa, Japan

P30-3 Echocardiographic Evaluation of Fad Pad Behind Left Atrium and Its Spatial Relationship to Electrically Determining Ganglionated Plexi

Takayuki Iida, Norishige Morita, Tadashi Hashida, Daisuke Fujibayashi, Akia Ueno, Yoshinori Kobayashi

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

P30-4 Clinical Effects of Eicosapentaenoic Acid on the Prevention of Atrial Fibrillation Recurrence after Pulmonary Vein Isolation

Hideshi Aoyagi, Kaoru Okishige, Kentaro Goto, Mitsumi Yamashita, Naohiko Kawaguchi, Nobutaka Kato, Mitsutoshi Asano, Tomofumi Nakamura, Hidetoshi Suzuki, Tsukasa Shimura, Manabu Kurabayashi

The Department of Cardiology, Yokohama City Minato Red Cross Hospital, Kanagawa, Japan

P30-5 Gender Differences in Risk Factors for Atrial Fibrillation

Nobue Yagihara¹, Hiroshi Watanabe¹, Toru Watanabe³, Yoshifusa Aizawa², Tohru Minamino¹

¹Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata, Japan, ²Tachikawa Medical Center, Niigata, Japan, ³Niigata Health Foundation, Niigata, Japan

P30-6 Novel Cardiac CryoAblation Catheter for Cavotricuspid Isthmus Ablation

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

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

Chaired Poster (2nd Lane) 9:00-9:35 Chaired Poster Session [P31]

Devices 4

Chairs Yuji Nakazato

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

Takeshi Yamakawa

Department of Cardiology, Ageo Central General Hospital, Saitama, Japan

P31-1 Efficacy and Safety of the Wearable Cardioverter Defibrillator (WCD) After Removal of Implantable Cardioverter Defibrillator (ICD)

Yasuhiro Shirai¹, Masahiko Goya¹, Takuro Nishimura¹, Koji Sugiyama¹, Susumu Tao¹, Takeshi Sasaki¹, Mihoko Kawabata¹, Tetsuo Sasano¹, Mitsuaki Isobe², Kenzo Hirao¹

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

P31-2 Internal jugular vein thrombosis with lateral neck swelling secondary to a pacemaker implantation

Kosuke Fujibayashi, Yuushi Yasuda, Eiichi Ueno, Shintaro Takano, Nakaba Fujioka, Yasuyuki Kawai, Michihiko Kitayama, Kouji Kajinami

Department of Cardiology, Kanazawa Medical University, Ishikawa, Japan

P31-3 Difference of implantation pacemaker between MRI-conditional systems and Conventional systems

Satoshi Tsujioka, Masatsugu Nozoe

Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka, Japan

P31-4 The Existence of High Defibrillation Threshold Indicates the Incidence of Pneumothorax during Cardiac Resynchronization Therapy Defibrillator Implantation

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

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

P31-5 Usefulness of low-energy defibrillation test in patients with implantable cardioverter defibrillator

Daisuke Ishigaki, Takanori Arimoto, Daisuke Kutsuzawa, Yu Kumagai, Naoaki Hashimoto, Tadateru Iwayama, Joji Nitobe, Tetsu Watanabe, Isao Kubota Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata, Japan

Chaired Poster (2nd Lane) 9:35-10:10 Chaired Poster Session [P32]

VT 4

Chairs Kazuo Kato

Cardiology, Nagoya Tokushikai General Hospital, Aichi, Japan

Masaomi Chinushi

School of Health Science, Niigata University, Niigata, Japan

P32-1 Transient appearance of a giant thrombus within a localized ventricular aneurysm: A rare complication of radiofrequency catheter ablation (RFCA)

Kanae Hasegawa, Kenichi Kaseno, Machiko Miyoshi, Kaori Hisazaki, Naoki Amaya, Daisetsu Aoyama, Naoto Tama, Etsuko Ikeda, 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

P32-2 Idiopathic ventricular contractions originating from right bundle branch

Osamu Hashimoto, Yoshihisa Enjoji, Yumi Shimura, Joji Hosokawa Department of Cardiology, Osaki Hospital Tokyo Heart Center, Tokyo, Japan

P32-3 The Prognostic Factor of Death and Recurrent Ventricular Tachyarrhythmia in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy

Akihito Miyoshi, Satoshi Nagase, Motoki Kubo, Koji Nakagawa, Nobuhiro Nishii, Hiroshi Morita, Kazufumi Nakamura, Hiroshi Ito

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

P32-4 Septum origin OMI-VT that ablation from the left ventricle side and the right ventricle side was effective

Hisato Moritani, Masaki Tabuchi

Department of Cardiology, Tottori Municipal Hospital, Tottori, Japan

P32-5 Long-term outcome of the patients with and without structural heart disease: Impact of VT/VF induction on appropriate ICD therapy

Eikou Sai, Miyako Igarashi, Yasutoshi Shinoda, Kojiro Ogawa, Mitsuhiro Fukata, Ahmed Talib, Keita Masuda, Yoshiaki Yui, Takeshi Machino, Kenji Kuroki, Yukio Sekiguchi, Akihiko Nogami, Kazutaka Aonuma

The Department of Cardiovascular Medicine, University of Tsukuba Hospital, Ibaraki, Japan

Chaired Poster (2nd Lane) 10:10-10:45 Chaired Poster Session (Medical Professionals) [MP5]

アブレーション2(メディカルプロフェッショナル)

座長 庭野慎一

北里大学医学部 循環器内科学教室

奥山裕司

大阪大学大学院医学系研究科 先進心血管治療学寄附講座

MP5-1 CARTO System によるActivation mapping時の簡易的な電位の時相再解析方法の発見

堺 美郎¹,本田俊弘²,古山准二郎²,田中靖章²,劔 卓夫²,岡松秀治²,米村友秀¹,清田由佳里¹ ¹済生会熊本病院臨床工学部。²済生会熊本病院循環器内科

MP5-2 心房細動アブレーションにおける多極電極カテーテルPENTARAY® NAVの有用性

永森信啓¹, 堀内芳美¹, 佐久間貴大¹, 徳成陽子¹, 木下雄司¹, 阪上 学², 佐伯隆広², 近田明男², 五天千明², 山本花奈子², 加藤千恵子², 長井英夫²

¹独立行政法人国立病院機構金沢医療センター統括診療部臨床工学技士室、²独立行政法人国立病院機構金沢医療センター 循環器科

MP5-3 肺静脈隔離後、アデノシン三リン酸急速静注でexitのみの一過性再伝導を認めた一例

中野僚哉¹, 浜 義之², 芳森亜希子¹, 夛田和弘¹, 望月純也¹, 桑原大志³, 松戸裕治², 山本雅史², 氷見寿治², 佐々木優二¹

¹君津中央病院臨床工学科,²君津中央病院循環器科,³横須賀共済病院循環器内科

MP5-4 非侵襲的陽圧換気を導入しても呼吸管理に苦慮した心房細動アブレーションの2例 小林聡子,中村 光,鈴木良美,臼井達也,吉岡二郎 _{長野赤十字病院循環器内科}

MP5-5 心房細動アブレーションにおけるBISモニターの使用経験

新井淳一郎¹,後藤佑介²,入野虎義¹,能重葉山¹,岩田晶子¹,齋藤一樹³,山嵜継敬⁴,竹中 創⁵ ¹川崎幸病院救急外来,²順天堂大学医療看護学研究科,³川崎幸病院放射線科,⁴川崎幸病院循環器科,⁵横浜総合病院循環器科

Chaired Poster (2nd Lane) 10:45-11:20 Chaired Poster Session (Medical Professionals) [MP6]

遠隔モニタリング(メディカルプロフェッショナル)

座長 寺田 健

秋田県立脳血管研究センター 循環器診療部

安達太郎

昭和大学医学部内科学講座 循環器内科学部門

MP6-1 イベント発生からアラート受信までに時間的ずれを生じた遠隔モニタリングの1例

縮 友和', 澤地 航', 高澤俊彦', 山田浩昭', 山嵜継敬²

¹川崎幸病院臨床工学科, ²川崎幸病院循環器科

MP6-2 遠隔モニタリングシステムを活用した病院連携IPG外来~連携病院への支援~

清田由佳利¹,本田俊弘²,古山准二郎²,堺 美郎¹,米村友秀¹,田中靖章²,劔 卓夫²,岡松秀治²,梶原正貴²

'済生会熊本病院臨床工学部, '済生会熊本病院循環器内科

MP6-3 デバイストラブルの早期発見に対する遠隔モニタリングシステムの有用性に関する 検討

高野梨絵¹, 島野寛也¹, 小田切史徳², 小松さやか³, 田淵晴名³, 関田 学³, 戸叶隆司², 住吉正孝⁴, 中里祐二², 代田浩之³

¹順天堂大学医学部付属浦安病院臨床工学室,²順天堂大学医学部付属浦安病院循環器内科,³順天堂大学医学部付属順天堂医院循環器内科,⁴順天堂大学医学部付属練馬病院循環器内科

MP6-4 病床を持たない循環器専門クリニックにおける遠隔モニタリングシステムの運用の 工夫とコメディカルスタッフの役割

長町千里¹, 井上完起², 前川順子¹, 谷口郁子¹, 冨樫秋奈¹, 高田まり子¹, 阪口恵美³, 鈴木紀子³, 山本享子³, 矢川真弓子², 辺 泰樹⁴, 梅村 純², 住吉徹哉⁴, 友池仁暢²

¹公益財団法人日本心臓血圧研究振興会榊原記念クリニック看護部、²榊原記念病院循環器科、³榊原記念クリニック検査科、⁴榊原記念クリニック循環器内科

MP6-5 遠隔モニタリングシステムをもちいたフォローアップの信頼性に関する検討―対面 診療との比較―

小林成道¹, 丹羽 敦¹, 清水憲彦¹, 森 賢人², 蜂矢健太², 後藤利彦², 大手信之² ¹名古屋市立大学病院臨床工学室, ²名古屋市立大学大学院心臓・腎高血圧内科学

Chaired Poster (2nd Lane) 13:10-13:45 Chaired Poster Session [P33]

Devices 5

Chairs Hiroshi Nakajima

Japan Research Institute for Device Therapy, Tokyo, Japan

Yasunaga Hiyoshi

Department of Cardiology, Ebara Hospital, Tokyo, Japan

P33-1 Development of atrioventricular block and diagnostic value of stored electrocardiograms in patients with sick sinus syndrome and implanted pacemaker

Junya Hosoda¹, Toshiyuki Ishikawa¹, Shinichi Sumita², Kohei Matsushita¹, Katsumi Matsumoto¹, Yuichiro Kimura¹, Yutaka Ogino¹, Yuka Taguchi¹, Hirooki Matsushita¹, Takeshi Nakagawa¹, Kazuo Kimura², Satoshi Umemura¹

¹Department of Cardiology, Yokohama City University Hospital, Kanagawa, Japan, ²Department of Cardiovascular Center, Yokohama City University Medical Center, Kanagawa, Japan

P33-2 The case of lead fracture of the Linox implantable cardiac defibrillator (ICD) lead

Tomoaki Hasegawa¹, Yukio Sekiguchi¹, Kojiro Ogawa¹, Mitsuhiro Fukata¹, Toru Adachi², Yasuhiro Yokoyama², Akihiko Nogami¹, Kazutaka Aonuma¹

¹Cardiovascular Internal Medicine, Tsukuba University Hospital, Ibaraki, Japan, ²Cardiovascular Internal Medicine, St. Luke's International Hospital, Tokyo, Japan

P33-3 Sudden Change to Safe Backup Mode Discovered by Remote Monitoring

Yoichi Ajiro¹, Minoru Kawai², Kunihiko Shimizu¹, Kyoichiro Yazaki¹, Takashi Saito¹, Fumiaki Mori¹, Kazunori Iwade¹

¹The Department of Cardiology, National Hospital Organization Yokohama Medical Center, Kanagawa, Japan, ²Self Defense Force Central Hospital, Tokyo, Japan

P33-4 The Time Course of Current of Injury at Active Fixation Leads Implantation

Hisa Shimojima, Daisuke Wakatsuki, Masaaki Kurata, Miki Tsujiuchi, Sakura Nagumo, Chisato Sato, Takuya Mizukami, Masahiro Sasai, Etsushi Kyuno, Naoko Ikeda, Ayaka Nogi, Atsuo Maeda, Hideyuki Maezawa, Kohei Wakabayashi, Yoshitaka Iso, Tokutada Sato, Mio Ebato, Hiroshi Suzuki

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

P33-5 3-D Coronary Sinus Mapping with Plain CT Is Useful before the Implantation of CRT Device

Mariko Kawasaki, Shinji Ishimaru, Risa Kakinoki, Masahiro Takahata, Motohito Tadokoro, Shunsuke Kitani, Teppei Sugaya, Tadashi Igarashi, Hiroaki Okabayashi, Jungo Furuya, Yasumi Igarashi, Keiichi Igarashi

The Department of Cardiology of JCHO Hokkaido Hospital, Hokkaido, Japan

Chaired Poster (2nd Lane) 13:45-14:20 Chaired Poster Session [P34]

VT 5

Chairs Masahiko Goya

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

Shingo Sasaki

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

P34-1 A case of early repolarization syndrome suspected by electrocardiogram after VF attack

Yoshinari Enomoto, Yasutake Toyoda, Naohiko Sahara, Takahito Takagi, Yuriko Narabayashi, Hikari Hashimoto, Naoshi Ito, Shingo Kujime, Keijiro Nakamura, Takao Sakata, Mahito Noro, Kaoru Sugi

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

P34-2 A Case of Premature Ventricular Contraction Eliminated within the Right Coronary Cusp

Kenji Kawamoto¹, Satoshi Nagase², Keishi Ichikawa¹, Masafumi Tanimoto¹, Hiroaki Ohtsuka¹, Kazuhiko Yamamoto¹, Yuusuke Katayama¹, Machiko Tanakaya¹, Satoru Sakuragi¹

¹Department of Cardiology, Iwakuni Clinical Center, Yamaguchi, Japan, ²Department of Cardiovascular Medicine, Okayama University, Okayama, Japan

P34-3 A case of vasospastic angina that caused pulseless electrical activity after cardioversion of ventricular fibrillation by an implantable cardioveter defibrillator

Yuuki Sugitani, Yohei Ohi, Hiroyuki Tamada, Chisato Ishikawa, Noritsugu Uemori, Ryoji Yokota

Cardiovascular Center, Nara Hospital, Kinki University Faculty of Medicine, Nara, Japan

P34-4 Catheter ablation of frequent ventricular premature complexes with left bundle-branch block morphology improve left ventricular function than right bundle-branch block morphology

Yasutoshi Shinoda, Kenji Kuroki, Kojiro Ogawa, Eikou Sai, Mitsuhiro Fukata, Yoshiaki Yui, Takeshi Machino, Miyako Igarashi, Yukio Sekiguchi, Akihiko Nogami, Kazutaka Aonuma

Tsukuba University Hospital, University of Tsukuba, Ibaraki, Japan

P34-5 Epicardial Ablation Suppressed Malignant Arrhythmia Originating from a Structually Normal Ventricular Apex with Aborted Sudden Cardiac Death

Yoshimori An¹, Michio Nagashima¹, Masato Fukunaga¹, Ken-ichi Hiroshima¹, Kengo Korai¹, Shota Tohoku¹, Kentaro Hayashi¹, Yu Makihara¹, Kenji Ando¹, Tomoaki Ito², Harushi Niu², Masahiko Goya³

¹Department of Cardiology, Kokura Memorial Hospital, Fukuoka, Japan, ²Department of Clinical Engineering, Kokura Memorial Hospital, Fukuoka, Japan, ³Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan

Chaired Poster (2nd Lane) 14:20-14:55 Chaired Poster Session (Medical Professionals) [MP7]

心電図2(メディカルプロフェッショナル)

座長 速水紀幸

帝京大学医学部附属溝口病院 第四内科

上ノ宮彰

昭和大学病院 臨床病理検査室

MP7-1 ML誘導による追加胸部誘導(V3R,V4R,V5R,V7,V8,V9)の異型拍における実誘導と導出誘導のQRS部分一致度の検討

小松崎達也¹, 三橋直人¹, 藤枝敏知¹, 高野真史¹, 久松 学¹, 倉持龍彦¹, 寺田紀子¹, 細川正浩¹, 小橋和彦¹, 家坂義人²

¹JA茨城県厚生連総合病院土浦協同病院臨床工学部,²JA茨城県厚生連総合病院土浦協同病院循環器内科

MP7-2 QT時間と早期再分極時間 (JTp) の変動性に関する検討

竹内佑佳¹,及川彰太²,永田梨奈²,大目木佑美²,細井美沙²,畑 忠善³ 「藤田保健衛生大学大学院保健学研究科,『藤田保健衛生大学病院臨床検査部,『藤田保健衛生大学小児科

MP7-3 先天性QT延長症候群診断におけるマスター負荷心電図の有用性:トレッドミル運動負荷心電図との比較

深町美尋',林 研至',大江宏康',堀田 宏',斉藤剛克',高村雅之',酒井佳夫',太田邦雄',山岸正和',和田隆志'

¹金沢大学附属病院検査部, ²金沢大学循環器内科, ³金沢大学小児科

MP7-4 J波と心臓MRIにおける遅延造影との関連性および川崎病におけるJ波の頻度と特徴

澤田由梨子¹,宇佐知里郁²,小山 望²,寺島正浩²,角 勇樹¹,平尾見三³,磯辺光章⁴,笹野哲郎¹東京医科歯科大学大学院保健衛生学研究科生命機能情報解析学分野,²心臓画像クリニック飯田橋,³東京医科歯科大学不整脈センター,⁴東京医科歯科大学循環制御内科学

MP7-5 J波症候群における心筋再分極過程指標と血清電解質の関係

今橋麻里奈¹, 笹木理恵¹, 佐藤伸之², 伊藤栄祐¹, 宮口智子¹, 斉藤久美子¹, 久保田治代¹, アハメドターリブ², 杉山英太郎², 坂本 央², 田邊康子², 竹内利治², 赤坂和美¹, 川村祐一郎², 藤井 聡¹, 長谷部直幸²

1旭川医科大学病院臨床検査・輸血部、2旭川医科大学循環器内科

Chaired Poster (2nd Lane) 14:55-15:30 Chaired Poster Session (Medical Professionals) [MP8]

ILR(メディカルプロフェッショナル)

座長 豊島 健

USCIホールディングス株式会社/日本メドトロニック株式会社/埼玉医科大学

横田 順

東京大学医学部附属病院 医療機器管理部

MP8-1 胸水貯留により植込型ループレコーダの心電図記録波形が低電位を示した症例

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MP8-2 当院における原因不明の失神に対するimplantable loop recorder(ILR)植込み症例の検討

植田隆介¹,柴田幸美¹,高田 裕¹,元木康一郎²,小竹康仁²,赤岩 譲²,安岡良文²,栗田隆志² ¹近畿大学医学部附属病院臨床工学部,²近畿大学医学部附属病院循環器内科

MP8-3 体外式ループレコーダー検査に関する問題点の検討

野々山則子, 佐野裕美, 工藤悦子, 秋山健太郎, 渡邉志穂, 石田誠司, 関恵理奈, 鈴木なおみ, 東 祐圭

岡村記念病院診療技術部検査科

MP8-4 当院における植込み型心電ループレコーダ(ILR)の成績

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MP8-5 当病棟における心電図の理解を深める取り組み

舩崎このみ¹, 山村 緑¹, 大田たまき¹, 松瀬秀子¹, 中尾功二郎², 木崎嘉久² ¹社会医療法人財団白十字会佐世保中央病院循環器内科病棟, ²社会医療法人財団白十字会佐世保中央病院循環器内科