

Young Investigator Award Competition

Chair Nobuhisa Hagiwara (*Tokyo Women's Medical University*)
Chair/Selection Committee Shimizu Akihiko (*Ube-Kohsan Central Hospital*)
Takashi Kurita (*Kindai University Hospital*)
Selection Committee Hiroshi Tada (*University of Fukui School of Medical Science*)
Tsuyoshi Shiga (*The Jikei University School of Medicine*)
Yosuke Ishii (*Nippon Medical School*)

YIA-1 Reversible Change of Atrioventricular Block in Permanent Pacemaker Patients After Transcatheter Aortic Valve Implantation

Kai Ishii¹, Hidemori Hayashi¹, Yuki Kimura¹, Hiroki Matsumoto¹, Haruna Tabuchi¹, Gaku Sekita¹, Yuji Nakazato²
¹Juntendo University, ²Juntendo University Urayasu Hospital

YIA-2 Incidence and Characteristics of Coronary Artery Spasms During Atrial Fibrillation Ablation Procedures: A Multicenter Analysis

Toshihiro Nakamura¹, Mitsuru Takami¹, Koji Fukuzawa¹, Kunihiro Kiuchi¹, Hiroyuki Kono², Atsushi Kobori², Yuichiro Sakamoto³, Ryuta Watanabe⁴, Yasuo Okumura⁴, Akihiro Yoshida⁵, Soichiro Yamashita^{2,6}, Kohei Yamashiro⁶, Takashi Kanda⁷, Masaharu Masuda⁷, Kazuyasu Yoshitani⁸, Takanao Mine⁹, Yasutaka Hirayama¹⁰, Kazumasa Adachi¹⁰, Ken-ichi Hirata¹
¹Kobe University Graduate School of Medicine, ²Kobe City Medical Center General Hospital, ³Toyohashi Heart Center, ⁴Nihon University School of Medicine, ⁵Kita-Harima Medical Center, ⁶Takatsuki General Hospital, ⁷Kansai Rosai Hospital, ⁸Hyogo Prefectural Amagasaki General Medical Center, ⁹Hyogo College of Medicine, ¹⁰Akashi Medical Center

YIA-3 Useful T-wave Characteristics for Screening in Asymptomatic Pediatric Arrhythmogenic Right Ventricular Cardiomyopathy

Tomohiko Imamura^{1,2}, Naokata Sumitomo^{2,3}, Shota Muraji², Kazushi Yasuda³, Eiki Nishihara⁴, Mari Iwamoto³, Shigeru Tateno⁵, Shozaburo Doi⁶, Tadayoshi Hata³, Shigetoyo Kogaki³, Hitoshi Horigome³, Seiko Ohno^{3,7}, Fukiko Ichida⁸, Masami Nagashima^{3,9}, Takeru Makiyama¹, Masao Yoshinaga^{3,10}
¹Kyoto University, ²Saitama Medical University International Medical Center, ³Pediatric Electrocardiogram Research Group, ⁴Ogaki Municipal Hospital, ⁵Chiba Kaihin Municipal Hospital, ⁶Disaster Medical Center, ⁷National Cerebral and Cardiovascular Center, ⁸International University of Health and Welfare, ⁹Aichi Saiseikai Rehabilitation Hospital, ¹⁰Kagoshima Medical Center

YIA-4 Arrhythmic Events and Long-Term Outcomes of Cardiac Sarcoidosis with Corticosteroid Therapy from Japanese Nationwide Registry

Hiroyuki Kamada, Kohei Ishibashi, Kenzaburo Nakajima, Akinori Wakamiya, Nobuhiko Ueda, Tsukasa Kamakura, Mitsuru Wada, Kenichiro Yamagata, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takashi Noda, Takeshi Aiba, Kengo Kusano
National Cerebral and Cardiovascular Center

YIA-5 Clinical Impact of Paced Fragmented QRS in Patients with Cardiac Resynchronization Therapy

Nobuhiko Ueda, Takashi Noda, Akinori Wakamiya, Tsukasa Kamakura, Mitsuru Wada, Kenichiro Yamagata, Kohei Ishibashi, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takeshi Aiba, Kengo Kusano
National Cerebral and Cardiovascular Center

Oral Presentation 1 AF 1

Chairs Yuji Nakazato (*Juntendo University/Sakakibara Sapia Tower Clinic*)
Masaharu Akao (*Kyoto Medical Center*)

- O1-1 Comparison of Clinical Risk Scores for Progression from Paroxysmal to Sustained Atrial Fibrillation: The Fushimi AF Registry**
Hisashi Ogawa¹, Yoshimori An¹, Kenjiro Ishigami¹, Yuya Aono¹, Syuhei Ikeda¹, Kosuke Doi¹, Yasuhiro Hamatani¹, Akiko Fujino¹, Mitsuru Ishii¹, Moritake Iguchi¹, Nobutoyo Masunaga¹, Masahiro Esato², Hiromichi Wada¹, Koji Hasegawa¹, Mitsuru Abe¹, Masaharu Akao¹
¹Kyoto Medical Center, ²Ijinkai Takeda General Hospital
- O1-2 Relationships Between Burden of Atrial Fibrillation and Exercise Tolerance Using Cardiopulmonary Exercise Testing**
Shingo Maeda¹, Takayuki Murao¹, Tomoyuki Kawashima¹, Ryo Yonai¹, Yasuhide Tsuda¹, Mihoko Kawabata¹, Hirotsugu Atarashi², Kenzo Hirao¹
¹AOI Universal Hospital, ²Minami Hachioji Hospital
- O1-3 Secular Trends in Prevalence of Atrial Fibrillation During the Recent Decade in the General Population: the TAMA MED Project-AF**
Eitaro Kodani^{1,3}, Tomohiro Kaneko¹, Hitomi Fujii^{2,3}, Hiroyuki Nakamura³, Hajime Sasabe³, Yutaka Tamura³, Wataru Shimizu⁴
¹Nippon Medical School Tama Nagayama Hospital, ²Tama-Center Mirai Clinic, ³Tama City Medical Association, ⁴Nippon Medical School
- O1-4 Evaluation of Endothelialization with Voltage Map in Patients After Implantation of a Left Atrial Appendage Occlusion Device**
Yasutake Toyoda¹, Keiji Nakamura¹, Hikari Hashimoto¹, Masako Asami¹, Takahito Takagi¹, Naohiko Sahara¹, Yoshinari Enomoto¹, Hidehiko Hara¹, Masato Nakamura¹, Tsuyoshi Sakai², Mahito Noro³, Kaoru Sugi³
¹Toho University Ohashi Medical Center, ²Saiseikai Yokohama City Eastern Hospital, ³Odawara Cardiovascular Hospital
- O1-5 Prediction of Atrial Fibrillation by 12-Lead Electrocardiogram Parameters in Patients Without Structural Heart Disease**
Naomi Hirota, Shinya Suzuki, Takuto Arita, Naoharu Yagi, Takayuki Otsuka, Takeshi Yamashita
The Cardiovascular Institute

Oral Presentation 2 VT/VPC 1

Chairs Hiroshi Tada (*Fukui University School of Medical Science*)
Takumi Yamada (*University of Minnesota*)

- O2-1 Electrophysiological and Histopathological Monomorphic Mechanism of Monomorphic Ventricular Tachycardia associated with Primary Cardiac Tumor**
Hiroshige Murata¹, Yasushi Miyauchi², Shun-ichiro Sakamoto¹, Hiroshi Hayashi¹, Teppei Yamamoto¹, Kenji Yodogawa¹, Yu-ki Iwasaki¹, Mitsunori Maruyama³, Yosuke Ishii¹, Takashi Nitta¹, Wataru Shimizu¹
¹*Nippon Medical School*, ²*Chiba-Hokuso Hospital*, *Nippon Medical School*, ³*Musashi-Kosugi Hospital*, *Nippon Medical School*
- O2-2 Needle Ablation Compared to Other Advanced Ablation Techniques for Failed Endocardial Ventricular Arrhythmia Ablation**
Ryohsuke Narui¹, Shin-ichi Tanigawa², Ikutaro Nakajima¹, Tomofumi Nakamura¹, Travis Richardson¹, John Sapp³, Arvinth Kanagasundram¹, Usha Tedrow², William Stevenson¹
¹*Vanderbilt University Medical Center, USA*, ²*Brigham and Women's Hospital*, ³*QEII Health Sciences Centre, Canada*
- O2-3 The Features of Ablation Procedures in Patients with Premature Ventricular Contraction from the Papillary Muscles**
Jiro Hiroki¹, Akira Mizukami¹, Yuki Shimizu¹, Hirofumi Arai¹, Daisuke Ueshima¹, Akihiko Matsumura¹, Tetsuo Sasano²
¹*Kameda General Hospital*, ²*Tokyo Medical and Dental University*
- O2-4 Characteristics of Pace Mapping on Scar-Related Ventricular Tachycardia Isthmuses**
Yumi Katsume¹, Akiko Ueda¹, Shiro Nakahara², Reiko Fukuda², Seiji Fukamizu³, Iwanari Kawamura³, Takato Mohri¹, Mika Tashiro¹, Yuichi Momose¹, Noriko Nonoguchi¹, Kyoko Hoshida¹, Yosuke Miwa¹, Ikuko Togashi¹, Toshiaki Sato¹, Kyoko Soejima¹
¹*Kyorin University School of Medicine*, ²*Dokkyo Medical University Saitama Medical Center*, ³*Tokyo Metropolitan Hiroo Hospital*
- O2-5 Impact of Mini-Electrodes Mapping During Catheter Ablation of Idiopathic Outflow Tract Ventricular Arrhythmias**
Yasuhiro Yoshiga¹, Masakazu Fukuda¹, Takayoshi Kato¹, Takuya Omuro¹, Shohei Fujii¹, Takeshi Ueyama², Akihiko Shimizu³, Masafumi Yano¹
¹*Yamaguchi University Graduate School of Medicine*, ²*Yamaguchi Prefectural Grand Medical Center*, ³*Ube Kohsan Central Hospital*

Oral Presentation 3 VT/VPC 2

Chairs Yasuteru Yamauchi (*Yokohama City Minato Red Cross Hospital*)
Hitoshi Hachiya (*Tsuchiura Kyodo General Hospital*)

- O3-1 Comparison of Characteristics of Ventricular Tachycardia Channel in Patients with Post-Myocardial Infarction to Non-Ischemic Cardiomyopathy**
Takeshi Kitamura¹, Kohei Kawajiri¹, Kosuke Takeda¹, Shin Nakamura¹, Koichiro Yamaoka¹, Tomoyuki Arai¹, Sho Tanabe¹, Sayuri Tokioka¹, Dai Inagaki¹, Rintaro Hojo¹, Seiji Fukamizu¹, Harumizu Sakurada²
¹*Tokyo Metropolitan Hiroo Hospital*, ²*Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital*
- O3-2 Prognosis After Ablation in Ventricular Tachycardia Patients with Organic Heart Disease**
Shota Iseki, Shinji Kaneko, Masaya Fujita, Ryuji Kubota, Taiki Ohashi, Yousuke Tatami, Tomoaki Haga, Kentaro Adachi, Hitomi Hori, Ryota Ito, Yoshinori Shirai, Keisuke Iwata, Masanori Shinoda
Toyota Kosei Hospital

- O3-3 Clinical Benefit of Using Multi-Spline Duodecapolar Catheter with Smaller Electrodes and Closer Spacings in Mapping and Ablation of Purkinje-Related Ventricular Arrhythmias**
 Susumu Takase¹, Nobuhiro Honda², Kazuhiro Nagaoka³, Kazuo Sakamoto¹, Shujiro Inoue⁴, Yasushi Mukai⁵, Akiko Chishaki¹, Hiroyuki Tsutsui¹
¹Kyushu University Hospital, ²St. Mary's Hospital, ³Fukuoka City Hospital, ⁴Iizuka Hospital, ⁵Fukuoka Red Cross Hospital
- O3-4 Outcome of Radiofrequency Catheter Ablation for Ventricular Tachycardia and Characteristics of Cardiac Magnetic Resonance Imaging in Patients with Non-Ischemic Cardiomyopathy of Unknown Etiology**
 Susumu Tao, Miki Amemiya, Junji Yamaguchi, Tasuku Yamamoto, Masahiro Sekigawa, Yasuhiro Shirai, Tatsuya Hayashi, Masateru Takigawa, Daisuke Tezuka, Yoshihide Takahashi, Masahiko Goya, Tetsuo Sasano
 Tokyo Medical and Dental University
- O3-5 演題は取り下げられました。**

Short Session 1 VT/VPC 3

Chairs Kazuo Sakamoto (Kyushu University Hospital)
 Hisanori Kanazawa (Kumamoto University Hospital)

- SHO1-1 Efficacy of Rhythmia Mapping System and Novel Electrogram Analysis Algorithm, Lumipoint, for Focal Ventricular Tachyarrhythmias**
 Shota Muraji, Naokata Sumitomo, Hitoshi Mori, Taisuke Nabeshima, Kouichi Toda, Takuro Kojima, Shigeki Yoshida, Toshiki Kobayashi
 Saitama Medical University International Medical Center
- SHO1-2 演題は取り下げられました。**
- SHO1-3 演題は取り下げられました。**
- SHO1-4 Lesion Index of Catheter Ablation of Premature Ventricular Complex**
 Koji Goto, Wataru Sasaki, Yoshinori Okazaki, Shingo Yoshimura, Shohei Kishi, Mitsuho Inoue, Hiroyuki Motoda, Katsura Nijima, Kentaro Minami, Takehito Sasaki, Yuko Miki, Yutaka Take, Kenichi Kaseno, Kohki Nakamura, Shigeto Naito
 Gunma Prefectural Cardiovascular Center
- SHO1-5 Influence of Intraprocedural Pacing and Pharmacological Challenges on Idiopathic Premature Ventricular Complex Originating from Outflow Tract**
 Taro Koya, Masaya Watanabe, Motoki Nakao, Yumi Takahashi, Hikaru Hagiwara, Rui Kamada, Toshihisa Anzai
 Hokkaido University Faculty of Medicine
- SHO1-6 Incidence of Premature Ventricular Contraction After Radiofrequency Catheter Ablation for Atrial Fibrillation**
 Shinichi Tanigawa¹, Seiichiro Matsuo¹, Hirotsugu Ikewaki¹, Hidenori Sato², Hirotsuna Oseto², Masaaki Yokoyama², Ryota Isogai¹, Kenichi Tokutake², Kenichi Yokoyama², Ryosuke Narui², Mika Kato², Seigo Yamashita², Michifumi Tokuda², Satoru Miyanaga², Ken-ichi Sugimoto², Michihiro Yoshimura², Teiichi Yamane²
¹The Jikei University Katsusika Medical Center, ²The Jikei University School of Medicine

Oral Presentation 4 AF 2

Chairs Kozue Ikeda (*Shinoda General Hospital*)
Takashi Komatsu (*Iwateken Yobouigakukyokai*)

- O4-1 Prevalence and Resolution of Left Atrial Appendage Thrombus During Anticoagulation Therapy in Patients with Atrial Fibrillation**
Kenji Morihisa, Keiichi Ashikaga, Yoshisato Shibata
Miyazaki Medical Association Hospital
- O4-2 Right Atrial Predominance of Epicardial Adipose Tissue Accumulation Underlies Right Atrial Enlargement and Clinical ECG Manifestation of Atrial Flutter**
Takehiro Ito¹, Masahide Harada¹, Asuka Nishimura¹, Yoshihiro Nomura¹, Yuji Motoike¹, Masayuki Koshikawa¹, Eiichi Watanabe², Hideo Izawa¹
¹*Fujita Health University*, ²*Fujita Health University Bantane Hospital*
- O4-3 Clinical Outcomes in Very Elderly Patients with Atrial Fibrillation Receiving On-Label Dose of Apixaban: J-ELD AF Registry Sub-analysis**
Masato Okada¹, Koichi Inoue¹, Nobuaki Tanaka¹, Koji Tanaka¹, Yuko Hirao¹, Issei Yoshimoto¹, Shinichi Harada¹, Masaharu Akao², Shinya Suzuki³, Takeshi Yamashita³, Ken Okumura⁴
¹*Sakurabashi Watanabe Hospital*, ²*Kyoto Medical Center*, ³*The Cardiovascular Institute*, ⁴*Saiseikai Kumamoto Hospital*
- O4-4 Potential Diabetes Is an Independent Predictor of Tachycardia Induced Cardiomyopathy in Patients with Atrial Fibrillation**
Yukimi Uotani, Shunsuke Miyauchi, Shogo Miyamoto, Yoshihiro Ikeuchi, Sho Okamura, Yousaku Okubo, Takehito Tokuyama, Yukiko Nakano, Haruya Ohno, Masayasu Yoneda
Hiroshima University Graduate School of Biomedical and Health Sciences
- O4-5 Different Effect of Obesity Between Young and Old Patients on Left Atrial and Pulmonary Vein Remodeling**
Sakie Nomura, Koichi Nagashima, Ryuta Watanabe, Yuji Wakamatsu, Satoshi Hayashida, Naoto Otsuka, Seina Yagyu, Sayaka Kurokawa, Syu Hirata, Moyuru Hirata, Yasuo Okumura
Nihon University School of Medicine

Oral Presentation 5 Cardiac Function / Ablation

Chairs Ritsushi Kato (*Saitama Medical University International Medical Center*)
Takanori Arimoto (*Yamagata University Hospital*)

- O5-1 Impact of Catheter Ablation for Patients with Persistent Atrial Fibrillation and Congestive Heart Failure**
Yoshihiro Sobue¹, Taiji Miyake², Hiroki Kamiya², Kunihiro Tsuchiya², Hitoshi Matsuo², Eiichi Watanabe¹
¹*Fujita Health University Bantane Hospital*, ²*Gifu Heart Center*
- O5-2 Catheter Ablation Gave More Preferable Effects on Cardiac Function and Remodeling in Lone Atrial Fibrillation Patients Than in Patients with Underlying Heart Disease**
Yasuhiro Oga
Iizuka Hospital
- O5-3 Predictors for Poor Recovery of Left Ventricular Function in Patients with Atrial Fibrillation and Low Left Ventricular Ejection Fraction**
Hideharu Okamatsu, Junjiro Koyama, Syouzou Kaneko, Koudai Negishi, Katsuhide Hayashi, Takuo Tsurugi, Yasuaki Tanaka, Ken Okumura
Saiseikai Kumamoto Hospital

O5-4 Limited Effect of Atrial Fibrillation Ablation on the Long-Term Prognosis in Patients with Systolic Dysfunction Experiencing Heart Failure Hospitalizations: Results of a Propensity-matched Analysis

Kyoichiro Yazaki¹, Koichiro Ejima¹, Atsushi Suzuki¹, Tsuyoshi Shiga^{1,2}, Miwa Kanai¹, Shohei Kataoka¹, Satoshi Higuchi¹, Daigo Yagishita¹, Morio Shoda¹, Nobuhisa Hagiwara¹

¹Tokyo Women's Medical Hospital, ²Jikei University School of Medicine

Oral Presentation 6 Pediatrics 1

Chairs Tsugutoshi Suzuki (Osaka City General Hospital)
Jun Yoshimoto (Shizuoka Children's Hospital)

O6-1 Evaluation of QT Correlation Method for Pediatric Data

Jiro Suto¹, Tsuneo Takayanagi¹, Satoshi Yasukouchi²

¹Nihon Kohden, ²Nagano Children's Hospital

O6-2 Examination of Infant Cases Resuscitated with Ventricular Fibrillation

Shuichiro Yoshida, Jun Sato, Kimihiro Yoshii, Hiroshi Nishikawa, Naoki Ohashi

Chukyo Hospital

O6-3 演題は取り下げられました。

O6-4 Efficacy of Reactive Atrial Antitachycardia Pacing After Fontan Conversion

Daiji Takeuchi, Keiko Toyohara, Hisashi Sugiyama, Takeuchi Shinkawa, Morio Shoda

Tokyo Women's Medical University

O6-5 Study on Indication and Management of Subcutaneous Implantable Cardioverter-Defibrillator (S-ICD) for Children

Hideo Fukunaga, Hidenori Hayashi, Keisuke Nakanishi, Reina Mayumi, Takeshi Iso, Hisako Wakatsuki, Kotoko Matsui, Takeshi Furukawa, Haruna Tabuchi, Gaku Sekita, Ken Takahashi, Masahiko Kishiro, Toshiaki Shimizu

Juntendo University Faculty of Medicine

Oral Presentation 7 Pediatrics 2

Chairs Hiroya Ushinohama (Ohori Children's Clinic)
Aya Miyazaki (Shizuoka General Hospital/Shizuoka Children's Hospital)

O7-1 Usefulness of Local Impedance Measurement During Radiofrequency Catheter Ablation of Patients with Complex Congenital Heart Disease

Keiko Toyohara, Takashi Kumamaru, Daiji Takeuchi, Morio Shoda

Tokyo Women's Medical University

O7-2 Experiences of Catheter Ablation Therapy for Atrial Tachyarrhythmias in Adult Congenital Heart Disease with Severe Complexity

Kohei Masaki¹, Susumu Takase¹, Yasushi Mukai², Kazuo Sakamoto¹, Shunsuke Kawai², Kazuhiro Nagaoka⁴, Shintaro Umemoto¹, Ayako Ishikita¹, Hazumu Nagata¹, Ichiro Sakamoto¹, Kenichiro Yamamura¹, Shujiro Inoue³, Akiko Chishaki¹, Hiroyuki Tsutsui¹

¹Kyushu University Hospital, ²Fukuoka Red Cross Hospital, ³Iizuka Hospital, ⁴St. Mary's Hospital

O7-3 Incidence of Tachyarrhythmia in a Neonatal Care Unit; 18 Years' Experience from a Single Center

Yuji Doi, Kazutoshi Ueda, Kazuhisa Sato, Kayo Ogino, Tomonori Hayashi, Shinichi Watabe, Kenji Waki, Yoshio Aragaki

Kurashiki Central Hospital

O7-4 Radiation Reduction in Catheter Ablation of Pediatric/Congenital Heart Disease Patient

Jun Yoshimoto

Shizuoka Children's Hospital

O7-5 Deep Insight into Cardiac Dysfunction in Children and Young Adults with Wolff-Parkinson-White Syndrome Using Speckle Tracking Imaging

Satoshi Akimoto¹, Hideo Fukunaga², Takeshi Iso², Sachie Shigemitsu², Haruna Tabuchi², Hidemori Hayashi², Gaku Sekita², Ken Takahashi², Toshiaki Shimizu²

¹Juntendo University Graduate School of Medicine, ²Juntendo University Faculty of Medicine

Oral Presentation 8 Lead Extraction

Chairs Morio Shoda (*Tokyo Women's Medical University*)
Masatsugu Nozoe (*Fukuoka General Hospital*)

- O8-1 Lead Extraction Cases Without CIEDs Reimplantation**
Kazutaka Takeuchi, Hiroshi Furusho, Keisuke Usuda, Satoru Niwa, Toyonobu Tsuda, Takeshi Kato, Kenshi Hayashi, Kenji Sakata, Souichirou Usui, Masaaki Kawashiri, Masayuki Takamura
Kanazawa University Hospital
- O8-2 Lead Extraction and Prevention of Cardiac Implantable Electrical Devices Infection: Our Experience and Strategy**
Yuji Narita, Tetsuyoshi Hattori, Miho Ogawa, Shizuka Hasegawa, Yuki Sato, Sachie Terazawa, Akihiko Usui
Nagoya University Hospital
- O8-3 Usefulness of the Controlled-Rotation Dilator Sheath Evolution for Extraction of Old Calcified Leads**
Hiroaki Tabata¹, Ayako Okada¹, Hideki Kobayashi¹, Wataru Shoin¹, Takahiro Okano¹, Koji Yoshie¹, Satoshi Higuchi², Daigo Yagishita², Morio Shoda^{1,2}, Koichiro Kuwahara¹
¹*Shinshu University School of Medicine*, ²*Tokyo Women's Medical University*
- O8-4 Ten-Years Experience of Transvenous Lead Removals Using Excimer Laser Sheath**
Michio Nagashima, Junji Morita, Kengo Korai, Rei Kuji, Jun Hirokami, Yohei Sadohara, Masato Fukunaga, Kenichi Hiroshima, Kenji Ando
Kokura Memorial Hospital
- O8-5 Late Retrieval of the Leadless Micra Transcatheter Pacemaker System**
Kentarō Minami
Na Homolce Hospital, Czech Republic

Oral Presentation 9 Device and AF

Chairs Kenji Enta (*Hokuto Hospital*)
Kan Kikuchi (*Kyushu Hospital*)

- O9-1 Clinical Risk Predictors for Subclinical Atrial Fibrillation with Insertable Cardiac Monitor in Patients with Embolic Stroke of Undetermined Source**
Kosuke Yoshikawa¹, Yoshimi Onishi¹, Ko Ogawa¹, Koichiro Inokuchi¹, Akinori Ochi¹, Miwa Kikuchi², Tatsuya Onuki³, Fumito Miyoshi², Takaaki Matsuyama¹, Kaoru Tanno², Youichi Kobayashi¹, Taku Asano¹, Toshiro Shinke¹
¹*Showa University School of Medicine*, ²*Showa University Koto Toyosu Hospital*, ³*Showa University Fujigaoka Hospital*
- O9-2 演題は取り下げられました。**
- O9-3 The Impact of High Frequency Atrial Anti-Tachycardia Pacing for Atrial Arrhythmia in Patients with Heart Failure: Insight from the OFFENCE Trial**
Masato Fukunaga, Takashi Morinaga, Kyouhei Yamaji, Michio Nagashima, Kenji Ando
Kokura Memorial Hospital

O9-4 Clinical Features of Patients for Whom Reactive Anti-Tachycardia Pacing is Effective

Akihito Sato, Haruna Tabuchi, Kai Ishii, Hiroki Matsumoto, Yuki Kimura, Hidemori Hayashi, Gaku Sekita, Tohru Minamino
Juntendo University School of Medicine

O9-5 The Effectiveness of Catheter Ablation in the Patients with Atrial Fibrillation and Cardiac Implantable Electronic Devices

Miwa Kikuchi, Takahiro Furuya, Fumito Miyoshi, Kaoru Tanno
Showa University Koto Toyosu Hospital

Oral Presentation 10 Surgery

Chairs Kyoichi Sudo (Minamiyamato Hospital)
Yuji Narita (Nagoya University Hospital)

O10-1 Epicardial LV Lead Implanting for Cardiac Resynchronizing Therapy During Open Heart Surgery

Yuta Miyano, Masanao Nakai, Ryota Nomura
Shizuoka City Shizuoka Hospital

O10-2 Ventricular Arrhythmia Worsening After Left Ventricular Assist Device Implantation

Motoki Nakao, Masaya Watanabe, Rui Kamada, Hikaru Hagiwara, Yumi Takahashi, Taro Koya, Taro Tenma, Toshihisa Anzai
Hokkaido University

O10-3 演題は取り下げられました。

O10-4 Retrieval of Chronically-Implanted Leadless Pacemakers: A Single-Center Experience

Kentaro Minami
Na Homolce Hospital, Czech Republic

O10-5 演題は取り下げられました。

メディカルプロフェッショナル口述演題 1

座長 栗田 康生 (国際医療福祉大学 大学院特定行為看護師養成分野/三田病院心臓血管センター)
服部 和子 (国立循環器病研究センター看護部)

MPO1-1 Fast Anatomical Mapping(FAM)により算出した左房容量は心房細動アブレーション後の再発と関係する

高野 明日香^{1,2}, 林 英守², 大澤 翔太¹, 浅見 陽介¹, 石井 開², 松本 紘毅², 木村 友紀², 塩澤 知之², 田淵 晴名², 岩田 洋², 関田 学², 住吉 正孝², 中里 祐二²

¹順天堂大学医学部附属順天堂医院臨床工学室, ²順天堂大学大学院医学研究科循環器内科

MPO1-2 発作性心房細動アブレーション術前の抗不整脈薬治療が心房リモデリングとアブレーション治療成績に与える影響

阪野 有希菜¹, 原田 将英², 伊藤 丈浩², 西村 明日香², 野村 佳広³, 本池 雄二², 越川 真行², 渡邊 英一⁴, 尾崎 行男³, 井澤 英夫²

¹藤田医科大学病院臨床工学部, ²藤田医科大学循環器内科, ³藤田医科大学岡崎医療センター循環器内科, ⁴藤田医科大学ばんだね病院循環器内科

MPO1-3 演題は取り下げられました。

MPO1-4 当院における心房細動アブレーション施行時のHigh Resolution FAM Mapの作成方法

北原 吹雪¹, 岡本 隆嗣¹, 西尾 皓人¹, 久田 政一郎¹, 栗原 英宣¹, 奥田 泰三¹, 竹谷 昌直²,
松本 晃典², 佐藤 公洋²

¹名古屋ハートセンター臨床工学部, ²名古屋ハートセンター循環器内科

MPO1-5 房室結節リエントリー性頻拍に対するクライオアブレーションの安全性に関する検討

寺見 千尋¹, 加藤 幸範², 北嶋 宏樹², 高田 裕¹, 福井 謙治⁴, 壺井 里恵子⁴, 平山 恭孝³, 足立 和正⁵

¹京都岡本記念病院臨床工学科, ²京都岡本記念病院循環器内科, ³明石医療センター循環器内科, ⁴明石医療センター臨床工学科, ⁵千船病院循環器内科

メディカルプロフェッショナル口述演題 2

座長 大江 学治 (産業医科大学循環器内科)
中嶋 勉 (群馬県立心臓血管センター技術部臨床工学課)

MPO2-1 肺静脈隔離術におけるアブレーションカテーテル安定性の比較

松本 景史¹, 三沼 英彦¹, 南 健太¹, 野村 千穂美¹, 佐伯 一², 三好 美和², 長谷川 新治²

¹大阪病院臨床工学室, ²大阪病院循環器内科

MPO2-2 右心耳ペーシング下でのActivation Mapを用いたSVC隔離の有用性について

徳留 大剛¹, 長田 淳², 寺田 直正¹, 伊藤 浩一¹, 浅野 駿逸², 小和瀬 晋弥²

¹横浜労災病院臨床工学部, ²横浜労災病院循環器内科

MPO2-3 Non-Paf症例のEnSite NavX System下Box Isolationにおける深鎮静の重要性についての検討

木下 美智留¹, 曾原 寛², 須藤 千穂¹, 露木 道子¹, 薄葉 文彦²

¹湘南東部総合病院看護部, ²湘南東部総合病院循環器内科

MPO2-4 Carto3システムPatternMatchingを利用し評価したPaceMapスコアリングをLATカラーマッピングに反映することでPVC最早期部位を同定する手法の検討

山岸 大祐¹, 金澤 孝一¹, 太田 杏², 山崎 友和², 河野 恆輔³

¹長野中央病院心臓病センター科, ²長野中央病院臨床工学科, ³長野中央病院循環器内科

MPO2-5 リングカテーテルをPositional Referenceとして用いた肺静脈隔離術の有用性

三浦 和真¹, 尾辻 眞矢¹, 瀧川 勢¹, 鈴木 靖司², 内藤 千裕², 田邊 すばる², 久野 晋平²,
鈴木 麻友², 天野 哲也²

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メディカルプロフェッショナル口述演題 3

座長 笠巻 祐二 (金沢医科大学氷見市民病院総合診療科)

MPO3-1 リードレスペースメーカーと経静脈ペースメーカーを植込まれた患者に対し遠隔モニタリング不能となった1例

西尾 皓人¹, 佐藤 公洋², 久田 政一郎¹, 岡本 隆嗣¹, 奥田 泰三¹, 松本 晃典², 竹谷 昌直²

¹名古屋ハートセンター臨床工学部, ²名古屋ハートセンター循環器内科

MPO3-2 先天性心疾患術後心房頻拍に対する心房抗頻拍ペーシングの検出レート設定の検討

熊丸 隆司¹, 豊原 啓子², 千田 温¹, 坂本 健太郎¹, 小林 潤平¹, 日座 絵莉¹, 田尻 育未¹, 藤井 賢良¹, 大久保 政彦¹, 竹内 大二², 工藤 恵道², 庄田 守男³

¹東京女子医科大学臨床工学部, ²東京女子医科大学循環器小児・先天性心疾患科, ³東京女子医科大学循環器内科先進電気的心臓制御研究部門

MPO3-3 デバイス外来におけるチェック記録のペーパーレス化への取り組み

岡田 華奈¹, 木田 博太¹, 菊池 佳峰¹, 伊藤 優美¹, 渡部 徹也², 古川 善郎², 玉置 俊介², 川崎 真佐登², 山田 貴久²

¹大阪急性期・総合医療センター臨床工学室, ²大阪急性期・総合医療センター心臓内科

MPO3-4 シングルチャンバ植込み型除細動器の検出強化機能が限界であった1例

千田 温¹, 熊丸 隆司¹, 坂本 健太郎¹, 小林 潤平¹, 日座 絵莉¹, 藤井 賢良¹, 田尻 育未¹, 大久保 政彦¹, 江島 浩一郎², 柳下 大悟², 矢崎 恭一郎², 片岡 翔平², 金井 美和², 庄田 守男²

¹東京女子医科大学病院臨床工学部, ²東京女子医科大学病院循環器内科

MPO3-5 スマートフォンアプリを用いた遠隔モニタリングの導入に関する検討

前田 明子¹, 佐藤 俊明², 富樫 郁子², 上田 明子², 三輪 陽介¹, 星田 京子¹, 野々口 紀子¹, 百瀬 裕一¹, 田代 身佳¹, 勝目 有美¹, 毛利 崇人¹, 副島 京子¹

¹杏林大学医学部循環器内科学, ²杏林大学医学部循環器内科学不整脈先進治療学講座

メディカルプロフェSSIONAL口述演題 4

座長 妹尾 恵太郎 (京都府立医科大学不整脈先進医療学講座)
辻井 正人 (三重ハートセンター診療支援部臨床検査科)

MPO4-1 心房Pacing Latencyが疑われる房室ブロック患者のAV Delay設定において、心エコー図の有用性を検討した3症例

藤下 卓己, 工藤 蓉子, 久土地 千代, 上野 征一, 小山 英文, 中尾 雅俊, 佐藤 憲史
大分循環器病院臨床工学部

MPO4-2 リードレスペースメーカーにおける遠隔期の閾値に関する検討

細谷 裕一^{1,3}, 近藤 祐介², 小野 仁¹, 鳴海 頌子², 中野 正博², 梶山 貴嗣³, 宮澤 一雄³, 仲野 美代³, 林 智彦³, 伊藤 竜³, 高平 青洋³, 北川 真理³, 小林 欣夫³

¹千葉大学医学部附属病院臨床工学センター, ²千葉大学大学院医学研究院不整脈先端治療学, ³千葉大学大学院医学研究院循環器内科学

MPO4-3 完全左脚ブロックを呈したCRT-P植込み患者の遠隔モニタリングアラートにより早期介入できた左心室ペーシング不全の1症例

小森 直美¹, 當眞 章五¹, 酒井 憲昭¹, 坂口 直久¹, 市木 也久¹, 坂谷 知彦², 井上 啓司², 藤田 博²

¹京都第二赤十字病院臨床工学課, ²京都第二赤十字病院循環器内科

MPO4-4 植込み型除細動器(ICD)において持続性心室頻拍の既往がない症例にVT治療ゾーンは必要か?

小野 仁¹, 宮澤 一雄³, 鳴海 頌子², 細谷 裕一^{1,3}, 北川 真理³, 高平 青洋³, 伊藤 竜³, 林 智彦³, 仲野 美代³, 梶山 貴嗣³, 中野 正博², 近藤 祐介², 小林 欣夫³

¹千葉大学医学部附属病院臨床工学センター, ²千葉大学大学院医学研究院不整脈先端治療学, ³千葉大学大学院医学研究院循環器内科学

Oral Presentation 11 Anticoagulant Therapy in AF

Chair Mitsuhiro Yamada (*Sinshu University School of Medicine*)

O11-1 演題は取り下げられました。

O11-2 演題は取り下げられました。

O11-3 A survey of Direct oral Anticoagulant Cessation in General Surgery and Outcomes in Patients with Nonvalvular Atrial Fibrillation

Mihoko Kawabata¹, Masahiko Goya², Shingo Maeda¹, Tainin Tsuda¹, Tetsuo Sasano², Kenzo Hirao¹
¹AOI Universal Hospital, ²Tokyo Medical and Dental University

O11-4 Prothrombin Activation Fragment 1 and 2 as a Potential Discriminator for Anticoagulant Therapy Discontinuation after Atrial Fibrillation Ablation

Kosuke Fujibayashi, Eiichi Ueno, Yuuki Kuzume, Jun Sawaguchi, Yuushi Yasuda, Shintarou Takano, Nakaba Fujioka, Kouji Kajinami
Kanazawa Medical University

O11-5 Clinical Characteristics and Risk of Thromboembolism in Elderly Japanese Patients with Nonvalvular Atrial Fibrillation: The Hokuriku-Plus AF Registry

Toyonobu Tsuda, Kenshi Hayashi, Akihiro Nomura, Keisuke Usuda, Satoru Niwa, Takeshi Kato, Kenji Sakata, Hiroshi Furusho, Masa-aki Kawashiri, Masayuki Takamura
Kanazawa University Graduate School of Medicine

Oral Presentation 12 New Findings in Atrial Fibrillation and Cardiomyopathy

Chairs Jong-Kook Lee (*Osaka University Graduate School of Medicine*)
Taisuke Ishikawa (*National Cerebral and Cardiovascular Center*)

O12-1 The ABCG2 Polymorphism, 421C>A, Modifies the Pharmacokinetics of Apixaban

Hideki Itoh¹, Satoshi Ueshima², Karin Hirata², Daiki Hira³, Yohei Tabuchi³, Tomoya Ozawa⁴, Yoshihisa Nakagawa⁴, Minoru Horie⁵, Tomohiro Terada³, Toshiya Katsura²
¹Hiroshima University Hospital, ²Ritsumeikan University, ³Shiga University of Medical Science Hospital, ⁴Shiga University of Medical Science, ⁵NCD Epidemiology Research Center, Shiga University of Medical Science

O12-2 Differences in Electrocardiographic Findings Between Apical and Mid-Ventricular Type of Takotsubo Cardiomyopathy

Kazuki Ito¹, Keisuke Miyajima¹, Fumihiko Kin¹, Ayako Okazaki¹, Yasuyo Takashima¹, Tomoyuki Watanabe¹, Yoshitaka Kawaguchi¹, Yasushi Wakabayashi¹, Tsuyoshi Urushida², Yuichiro Maekawa²
¹Seirei Mikatahara General Hospital, ²Hamamatsu University Hospital

O12-3 LMNA Missense Mutation Causes Nonsense-Mediated mRNA Decay and Severe Dilated Cardiomyopathy

Koichi Kato¹, Seiko Ohno², Keiko Sonoda², Takeru Makiyama³, Tomoya Ozawa¹, Yoshihisa Nakagawa¹, Minoru Horie⁴
¹Shiga University of Medical Science, ²National Cerebral and Cardiovascular Center, ³Kyoto University Graduate School of Medicine, ⁴NCD Epidemiology Research Center, Shiga University of Medical Science

O12-4 Usefulness of Collaboration Between Mathematical Models and Cell Engineering for Elucidating Complex Disease Mechanisms and Discover Effective Drugs

Hirohiko Kohjitani¹, Asami Kashiwa², Takeru Makiyama², Taisuke Ishikawa³, Futoshi Toyoda⁴, Seiko Ohno³, Hai Huang², Jingshan Gao², Tomohiko Imamura², Takanori Aizawa², Satoshi Shizuta², Minoru Horie⁴, Naomasa Makita³, Takeshi Kimura²

¹Kyoto University Hospital, ²Kyoto University Graduate School of Medicine, ³National Cerebral and Cardiovascular Center, ⁴Shiga University of Medical Science

Oral Presentation 13 Inflammation and Arrhythmia

Chairs Atsushi Sugiyama (Toho University Faculty of Medicine)
Tetsuo Sasano (Tokyo Medical and Dental University)

O13-1 Toll-Like Receptor 9 Is a Novel Therapeutic Target to Prevent Atrial Fibrillation

Kazuhisa Matsumoto, Takeshi Soeki, Daiju Fukuda, Tomomi Matsuura, Takeshi Tobiume, Takayuki Ise, Kenya Kusunose, Koi Yamguchi, Shusuke Yagi, Hirotsugu Yamada, Tetsuzo Wakatsuki, Masataka Sata
Tokushima University Graduate School of Biomedical Sciences

O13-2 Angiotensin-Like Protein (ANGPTL) 2 Secreted from Epicardial Adipose Tissue Induces Atrial Myocardial Fibrosis Through TGF- β 1 and Nf- κ B Pathway : Analysis Using Organo-Culture System

Shintaro Kira¹, Ichitaro Abe¹, Yumi Ishii¹, Miho Miyoshi¹, Takahiro Oniki¹, Yasushi Teshima¹, Kunio Yufu¹, Tatsuo Shimada², Naohiko Takahashi¹

¹Oita University, ²Oita Medical Technology School

O13-3 演題は取り下げられました。

O13-4 Circulating Intermediate Monocytes Correlate with Atrial Structural Remodeling on LGE-MRI

Hideya Suehiro, Kunihiro Kiuchi, Koji Fukuzawa, Naofumi Yoshida, Mitsuru Takami, Yoshiaki Watanabe, Yuu Izawa, Tomomi Akita, Makoto Takemoto, Jun Sakai, Toshihiro Nakamura, Atsuhiko Yatomi, Hiroyuki Takahara, Yusuke Sonoda, Kazutaka Nakasone, Kyoko Yamamoto, Tomoya Yamashita, Ken-ichi Hirata

Kobe University Graduate School of Medicine

O13-5 Inhibition of Kv1.5 Channels Attenuates Monosodium Urate Induced NLRP3 Inflammasome Activation in Human Macrophages

Peili Li¹, Yasutaka Kurata², Fikri Taufiq¹, Yasuaki Shirayoshi¹, Ichiro Hisatome¹

¹Tottori University, ²Kanazawa Medical University

Oral Presentation 14 Pathophysiology of Inherited Arrhythmia

Chairs Makoto Takano (Kurume University School of Medicine)
Takeshi Aiba (National Cerebral and Cardiovascular Center)

O14-1 Inhibition of Late Sodium Current Shortens Action Potential Durations in CACNA1C-E115K iPS Cell Model with Disrupted Cav1.2 Ion Selectivity

Asami Kashiwa¹, Takeru Makiyama¹, Hirohiko Kohjitani¹, Thomas Maurissen², Yimin Wuriyanghai¹, Yuta Yamamoto¹, Jingshan Gao¹, Hai Huang¹, Tomohiko Imamura¹, Takanori Aizawa¹, Taisuke Ishikawa³, Seiko Ohno³, Futoshi Toyoda⁴, Seiichiro Sato⁵, Kazuhiro Takahashi⁶, Knut Woltjen², Minoru Horie⁴, Naomasa Makita³, Takeshi Kimura¹

¹Kyoto University Graduate School of Medicine, ²Center for iPS Cell Research and Application (CiRA), ³National Cerebral and Cardiovascular Center, ⁴Shiga University of Medical Science, ⁵Okinawa Prefectural Nanbu Medical Center & Children's Medical Center, ⁶Kizawa Memorial Hospital

O14-2 Torsadogenic Action of Late Sodium Current in Experimental Electrical Storm

Yukiomi Tsuji¹, Naoki Tomii², Koichi Tsuneyama³, Hiroki Takanari³, Tatsuhiko Arafune⁴, Ryoko Niwa⁵, Haruo Honjo⁵, Itsuo Kodama⁵, Naomasa Makita⁵, Ichiro Sakuma², Dobromir Dobrev⁷, Stanley Nattel⁸, Masatoshi Yamazaki²

¹Nagasaki University Graduate School of Biomedical Sciences, ²The University of Tokyo, ³Tokushima University Faculty of Medicine, ⁴Tokyo Denki University, ⁵Nagoya University, ⁶National Cerebral and Cardiovascular Center, ⁷University of Duisburg-Essen, Germany, ⁸Montreal Heart Institute and Université de Montréal and McGill University, Canada

O14-3 Biophysical Defects of an SCN5A V1667I Mutation Associated with Epinephrine-Induced Marked QT-Prolongation

Tadashi Nakajima¹, Tommy Dharmawan¹, Reika Kawabata-Iwakawa², Shuntaro Tamura¹, Hiroshi Hasegawa¹, Takashi Kobari¹, Yoshiaki Kaneko¹, Masahiko Nishiyama¹, Masahiko Kurabayashi¹

¹Gunma University Graduate School of Medicine, ²Gunma University Initiative for Advanced Research

O14-4 J-Waves Induced by Coronary Angiography or Intracoronary Acetylcholine in Patients with Suspected Vasospastic Angina

Yoshiyasu Aizawa¹, Narutaka Ohashi², Yoshifusa Aizawa³, Akio Kawamura¹

¹International University of Health and Welfare, School of Medicine, ²Akasaka Hitotsugi Clinic, ³Tachikawa Medical Center

Oral Presentation 15 Novel Findings in Inherited Arrhythmia

Chairs Yukiomi Tsuji (Nagasaki University School of Medicine)
Seiko Ohno (National Cerebral and Cardiovascular Center)

O15-1 Brugada Syndrome Could Be Associated with the Mechanical Compression of the Right Ventricular Outflow Tract by the Thoracic Deformity

Yumi Ishii, Mikiko Nakagawa, Ichitaro Abe, Hidekazu Kondo, Akira Fukui, Tomoko Fukuda, Tetsuji Shinohara, Yasushi Teshima, Kunio Yufu, Naohiko Takahashi

Oita University

O15-2 Bepridil is Effective to Restore the Slow Inactivation in Mutant Kv4.3 Channel Identified in an Early Repolarization Syndrome Patient

Koichiro Takayama¹, Qi Wang¹, Keiko Sonoda¹, Dimitar Zankov¹, Minoru Horie², Seiko Ohno^{1,2}

¹National Cerebral and Cardiovascular Center, ²NCD Epidemiology Research Center, Shiga University of Medical Science

O15-3 QRS Fragmentation Is Involved in Shanghai Score System in Patients with Early Repolarization Syndrome

Keisuke Yonezu, Tetsuji Shinohara, Kei Hirota, Ichitaro Abe, Hidekazu Kondo, Akira Fukui, Hidefumi Akioka, Yasushi Teshima, Kunio Yufu, Mikiko Nakagawa, Naohiko Takahashi

Oita University

O15-4 QT Analysis on Holter Electrocardiography is Useful to Diagnose Long QT Syndrome in Pediatric Patients

Yu Matsumura, Shiori Takai, Satoshi Nagahara, Yuko Nakamura, Seiichi Watanabe

Tsuchiura Kyodo General Hospital

Oral Presentation 16 Cellular Mechanisms of Arrhythmia

Chairs Ichiro Hisatome (*Tottori University*)
Katsushige Ono (*Oita University*)

O16-1 演題は取り下げられました。

O16-2 **Antisense-Mediated Knockdown of *CALM* as a Therapeutic Strategy for Calmodulinopathy**

Yuta Yamamoto¹, Takeru Makiyama¹, Yoshiki Kondo², Yusuke Iriyama², Yimin Wuriyanghai¹, Hirohiko Kohjitani¹, Jingshan Gao¹, Asami Kashiwa¹, Hai Huang¹, Takanori Aizawa¹, Tomohiko Imamura¹, Taisuke Ishikawa³, Yoshinori Yoshida⁴, Seiko Ohno³, Minoru Horie⁵, Naomasa Makita³, Takeshi Kimura¹
¹Kyoto University, ²Nissan Chemical Corporation, ³National Cerebral and Cardiovascular Center, ⁴Center for iPS Cell Research and Application, Kyoto University, ⁵NCD Epidemiology Research Center, Shiga University of Medical Science

O16-3 **Enhanced Ca²⁺ Leakage from the Network Sarcoplasmic Reticulum Associated with RyR2 with a Loss of Function Mutation: a Simulation Study**

Hideki Itoh¹, Minoru Horie², Keiji Imoto³
¹Hiroshima University Hospital, ²NCD Epidemiology Research Center, Shiga University of Medical Science, ³National Institutes of Natural Sciences

O16-4 **The Interaction Between Epicardial Adipose Tissue and Atrial Myocardium: Analysis of Epicardial Adipocyte Differentiation**

Yumi Ishii¹, Ichitaro Abe¹, Shintaro Kira¹, Miho Miyoshi¹, Takahiro Oniki¹, Hidekazu Kondo¹, Akira Fukui¹, Yasushi Teshima¹, Kunio Yufu¹, Mikiko Nakagawa¹, Tatsuo Shimada², Shinji Miyamoto¹, Naohiko Takahashi¹
¹Oita University, ²Oita Medical Technology School

O16-5 **Efficacy of Landiolol, an Ultra-Short-Acting Beta-Blocker in Patients with a Defibrillator and Hemodynamically Unstable Ventricular Tachyarrhythmia**

Mari Kitagawa, Miyo Nakano, Masafumi Sugawara, Toshinori Chiba, Haruhiro Takahira, Ryo Ito, Takatsugu Kajiyama, Masahiro Nakano, Yusuke Kondou, Yoshio Kobayashi
Chiba University Graduate School of Medicine

Oral Presentation 17 In Vivo and In Silico Studies of Arrhythmia

Chairs Masatoshi Yamazaki (*Nagano Hospital/University of Tokyo*)
Takashi Ashihara (*Shiga University of Medical Science*)

O17-1 **Cardiac Excitation Wave Propagation System of Beating Heart by Optical Mapping**

Yoshiki Tanaka¹, Nitaro Shibata², Naoki Tomii³, Itiro Sakuma³, Haruo Honjo³, Tatsuhiko Arafune¹, Masatoshi Yamazaki³
¹Tokyo Denki University Graduate School, ²Shinjuku Mitsui Building Clinic, ³University of Tokyo

O17-2 演題は取り下げられました。

O17-3 **Manifestation of Accessory Pathway by Inhibiting the Conduction of Atrioventricular Node Using Ultra-Short-Acting Intravenous Beta-1 Adrenergic Blocker**

Takahiko Kinjo, Masaomi Kimura, Shingo Sasaki, Noriyoshi Kaname, Daisuke Horiuchi, Taihei Itoh, Kimitaka Nishizaki, Yuichi Toyama, Hirofumi Tomita
Hirosaki University Graduate School of Medicine

O17-4 A simulation Study for Investigating Mechanisms of Ventricular Arrhythmia Induced from Conduction Delay Zone in Right Ventricular Outflow Tract

Shin Inada¹, Takeshi Aiba², Nitaro Shibata³, Ryo Haraguchi⁴, Takashi Ashihara⁵, Kengo Kusano², Wataru Shimizu⁶, Takanori Ikeda⁷, Ichiro Sakuma⁸, Kazuo Nakazawa¹

¹*Morinomiya University of Medical Sciences*, ²*National Cerebral and Cardiovascular Center*, ³*Shinjuku Mitsui Building Clinic*, ⁴*University of Hyogo*, ⁵*Shiga University of Medical Science*, ⁶*Nippon Medical School*, ⁷*Toho University Faculty of Medicine*, ⁸*University of Tokyo*

O17-5 Anti-Atrial Fibrillatory Action of Oseltamivir and Its Electrophysiological Analysis Using the Paroxysmal and Persistent Atrial Fibrillation Models of Dogs

Ryuichi Kambayashi, Hiroko Izumi-Nakaseko, Ai Goto, Mihoko Hagiwara-Nagasawa, Yoshio Nunoi, Yoshinori Takei, Akio Matsumoto, Shinichi Kawai, Atsushi Sugiyama

Toho University

Oral Presentation 18 SCD/Diagnosis

Chairs Takashi Tokano (*Juntendo University Urayasu Hospital*)
junjiro Koyama (*Saiseikai Kumamoto Hospital*)

- O18-1 Differential Diagnosis of Takotsubo Syndrome and Anterior Acute Myocardial Infarction on 18-Leads Electrocardiography**
Masato Shimizu¹, Shummo Cho¹, Karina Hara¹, Mari Ohmori¹, Ryo Tateishi¹, Toshio Kaneda¹, Yosuke Yamakami¹, Hiroshi Shimada¹, Tomoko Manno¹, Ami Isshiki¹, Shigeki Kimura¹, Hiroyuki Fujii¹, Makoto Suzuki¹, Mitsuhiro Nishizaki², Tetsuo Sasano³
¹*Yokohama Minami Kyosai Hospital*, ²*Kanto Gakuin University*, ³*Tokyo Medical and Dental University*
- O18-2 The Clinical Feature of Arrhythmias in Patient with Anti-Mitochondrial Antibody Associated Myopathy and/or Primary Biliary Cholangitis**
Yasuhiro Ikami¹, Daisuke Izumi¹, Yuki Hasegawa¹, Sou Otsuki¹, Kenichi Iijima¹, Nobue Yagihara¹, Masaomi Chinushi², Tohru Minamino¹
¹*Niigata University Graduate School of Medical and Dental Sciences*, ²*Niigata University School of Medicine*
- O18-3 The Distribution of Frequency Power Within the QRS Complex in Patients with Lethal Ventricular Arrhythmias**
Takeshi Tsutsumi¹, Nami Takano², Takafumi Nakajima³, Kuniaki Iwasawa⁴, Tohru Kamijima³, Teruo Inoue³, Toshiaki Nakajima³
¹*Eda Memorial Hospital*, ²*Kanto Central Hospital*, ³*Dokkyo Medical University*, ⁴*University of Tokyo*
- O18-4 Clinical and Electrocardiographic Predictors of Acute Mortality in Patients with Cardiogenic Shock Treated with the Impella Device**
Yuhi Fujimoto, Jun Nakata, Junya Matsuda, Noriyuki Kobayashi, Takeshi Yamamoto, Kenji Yodogawa, Yu-ki Iwasaki, Wataru Shimizu
Nippon Medical School
- O18-5 Out-of-Hospital Cardiac Arrest of Working Generation in Japan: Long-term Aspects of a Prospective, Nationwide, Population-Based Registry**
Yasunobu Yamagishi, Yasushi Oginosawa, Tarou Miyamoto, Keita Tsukahara, Hisaharu Ohe, Ritsuko Kohno, Yutaka Otsuji, Haruhiko Abe
The University of Occupational and Environmental Health

Oral Presentation 19 Diagnosis 1

Chairs Yoshihisa Abe (*Akita Cerebrospinal and Cardiovascular Center*)
Toshihiro Nakamura (*Kyushu Medical Center*)

- O19-1 Fragmented QRS in Right Sided Electrocardiography Is a Novel Risk Maker for Occurrence of Ventricular Fibrillation in Patient with Brugada Syndrome**
Yousaku Okubo, Shunsuke Miyauchi, Yoshihiro Ikeuchi, Sho Okamura, Takehito Tokuyama, Yukiko Nakano
Hiroshima University
- O19-2 Risk Stratification of Ventricular Fibrillation in the Patients with Non-Type 1 Brugada-Pattern Electrocardiograms**
Yuki Hasegawa¹, Daisuke Izumi¹, Yasuhiro Ikami¹, Sou Otsuki¹, Nobue Yagihara¹, Kenichi Iijima¹, Masaomi Chinushi², Tohru Minamino¹
¹*Niigata University Graduate School of Medicine and Dental Sciences*, ²*Niigata University Graduate School of Health Sciences*

O19-3 Prognosis of Arrhythmic Events of Cardiac Amyloidosis: Our Ten Years Experience

Akifumi Tanaka¹, Yuki Osaka¹, Shiho Kawamoto¹, Ayaka Kimura¹, Ken Tsuchiya¹, Kento Yabe¹, Hidetsugu Nomoto¹, Toru Miyazaki¹, Asami Suzuki¹, Ken Kurihara¹, Yuichi Ono¹, Tetsuo Sasano²
¹Ome Municipal General Hospital, ²Tokyo Medical and Dental University

O19-4 Any Arrhythmias Can Be a Clue for an Early Diagnosis of Cardiac Amyloidosis

Kanae Hasegawa, Yoshitomo Fukuoka, Mika Oshima, Kodai Hirano, Ryohei Nomura, Kosuke Miyahara, Eri Ishikawa, Moe Mukai, Akira Matsui, Daisetsu Aoyama, Yuichiro Shiomi, Minoru Nodera, Hiroyuki Ikeda, Naoto Tama, Kentaro Ishida, Shinsuke Miyazaki, Hiroyasu Uzui, Hiroshi Tada
University of Fukui

O19-5 Proportion of CIED Implantation and Incidence of Appropriate Therapy in Patients with Wild-type Amyloidogenic Transthyretin Cardiac Amyloidosis

Yusei Kawahara, Hisanori Kanazawa, Miwa Ito, Yusuke Kanemaru, Takuya Kiyama, Kenichi Tujita
Kumamoto University Hospital

Oral Presentation 20 Bradycardia

Chairs Mitsuharu Kawamura (*Makita General Hospital*)
Katsuhide Hayashi (*Saiseikai Kumamoto Hospital*)

O20-1 Complete Atrioventricular Block and Sinus Node Dysfunction in Patients with Microscopic Polyantitis

Takumi Akiyama¹, Minoru Tagawa¹, Yuichi Nakamura¹, Masahiro Yokosawa¹, Yasuo Watanabe¹, Yoshiro Endo¹, Yukie Ochiai¹, Masaomi Chinushi²
¹Nagaoka Chuo General Hospital, ²Graduate School of Health Science, Niigata University

O20-2 Prevalence and Significance of Sick Sinus Syndrome in Patients with Cardiomyopathy

Takahisa Koi, Naoya Kataoka, Koichiro Kinugawa
Toyama University Hospital

O20-3 Factors Related to Skin Thinning of the Cardiovascular Implantable Electronic Device Pocket

Atsusuke Yatomi, Mitsuru Takami, Koji Fukuzawa, Kunihiro Kiuchi, Makoto Takemoto, Jun Sakai, Toshihiro Nakamura, Yusuke Sonoda, Hiroyuki Takahara, Kazutaka Nakasone, Kyoko Yamamoto, Yuya Suzuki, Ken-ichi Tani, Ken-ichi Hirata
Kobe University Graduate School of Medicine

O20-4 Periprocedural Atrioventricular Block Outturn and Late Onset Atrioventricular Block After Transcatheter Aortic Valve Replacement

Kyonghee Lee, Atsuhiko Yagishita, Yohei Ohno, Yuya Ishizaki, Misaki Hasegawa, You Kawahara, Masahiro Morise, Susumu Sakama, Kengo Ayabe, Mari Amino, Junichi Miyamoto, Hitomi Horinouchi, Norihito Nakamura, Tsutomu Murakami, Sho Torii, Norihiko Kamioka, Yuji Ikari, Koichiro Yoshioka
Tokai University Hospital

O20-5 The Utility of 18-lead ECG for Differentiation between Free-wall Pacing and Septal Pacing

Keita Tsukahara, Yasushi Oginosawa, Yasunobu Yamagishi, Hisaharu Ohe, Ritsuko Kohno, Haruhiko Abe
University of Occupational and Environmental Health

Oral Presentation 21 Remote Monitoring

Chairs Makoto Suzuki (*Yokohama Minami Kyosai Hospital*)
Eitaro Fujii (*Nabari City Hospital*)

- O21-1** 演題は取り下げられました。
- O21-2** **The Effects of Telephone Support by Device Team Based on Remote Monitoring System of Implantable Device on Treatment of Heart Failure**
Yoshifumi Ikeda, Risa Kanai, Ritsushi Kato, Kenta Tsutsui, Sayaka Tanaka, Hitoshi Mori, Mai Tawara, Kazuo Matsumoto, Yoshitaka Terazaki, Shinji Yokoyama
Saitama Medical University International Medical Center
- O21-3** **Efficacy of Antitachycardia Pacing Alert by Remote Monitoring of Implantable Cardioverter-defibrillators for Out-of-Hospital Electrical Storm**
Sou Otsuki¹, Daisuke Izumi¹, Yasuhiro Ikami¹, Yuki Hasegawa¹, Nobue Yagihara¹, Kenichi Iijima¹, Masaomi Chinushi², Tohru Minamino¹
¹*Niigata University Graduate School of Medical and Dental Sciences*, ²*Niigata University School of Medicine*
- O21-4** **Factors Associated with Permanent Pacemaker Implantation for Latent Sinus Node Dysfunction Unmasked After Catheter Ablation in Persistent Atrial Fibrillation**
Yuji Motoike¹, Masahide Harada¹, Takehiro Ito¹, Asuka Nishimura¹, Yoshihiro Nomura², Masayuki Koshikawa¹, Eiichi Watanabe³, Yukio Ozaki², Hideo Izawa¹
¹*Fujita Health University*, ²*Fujita Health University Okazaki Medical Center*, ³*Fujita Health University Bantane Hospital*
- O21-5** **The Prevalence of Paroxysmal Atrial Fibrillation in Patients with Idiopathic Ventricular Fibrillation Compared with Brugada Syndrome**
Tomofumi Mizuno, Nobuhiro Nishii, Takurou Masuda, Tomonari Kimura, Masakazu Miyamoto, Kouji Nakagawa, Atsuyuki Watanabe, Kazufumi Nakamura, Hiroshi Morita, Hiroshi Itoh
Okayama University Hospital

Oral Presentation 22 S-ICD

Chairs Shingo Sasaki (*Hirosaki University Graduate School of Medicine*)
Takuo Tsurugi (*Saiseikai Kumamoto Hospital*)

- O22-1** **The Subcutaneous ECG for S-ICD Candidates**
Masako Asami¹, Rina Ishii³, Yasutake Toyoda¹, Naohiko Sahara¹, Takahito Takagi¹, Hikari Hashimoto¹, Yoshinari Enomoto¹, Keijiro Nakamura¹, Tsuyoshi Sakai², Mahito Noro³, Kaoru Sugi³
¹*Toho University Ohashi Medical Center*, ²*Saiseikai Yokohamashi Tobu Hospital*, ³*Odawara Cardiovascular Hospital*
- O22-2** **Incidence of Morphology Changes in Subcutaneous ICD (S-ICD) Sensing Vectors in Remote Periods**
Kentarō Goto¹, Yuichi Ono², Shiho Kawamoto², Ayaka Kimura², Akifumi Tanaka², Ken Tsuchiya², Kento Yabe², Hidetsugu Nomoto², Yuki Osaka², Toru Miyazaki², Asami Suzuki², Ken Kurihara², Kazuo Kobayashi¹, Kenichiro Otomo², Tetsuo Sasano³
¹*Kashiwa City Hospital*, ²*Ome Municipal General Hospital*, ³*Tokyo Medical and Dental University*
- O22-3** **The Fluctuation of R Wave and T Wave Amplitude of Subcutaneous Electrocardiograms in Patients with Subcutaneous Implanted Cardioverter Defibrillator**
Yuki Shimizu, Akira Mizukami, Jiro Hiroki, Hirofumi Arai, Shu Yamashita, Akihiko Matsumura
Kameda Medical Center

O22-4 Myopotential Oversensing Is a Major Cause of Inappropriate Shock in Subcutaneous Implantable Defibrillator in Japan

Kenta Tsutsui¹, Ritsushi Kato¹, Yoshifumi Ikeda¹, Sayaka Tanaka¹, Hitoshi Mori¹, Hiroki Hoya¹, Kazuo Matsumoto²

¹Saitama Medical University International Medical Center, ²Higashimatsuyama Medical Association Hospital

Oral Presentation 23 Complication

Chairs Tomoshige Morimoto (Osaka Medical and Pharmaceutical University)
Katsuhiko Imai (Kure Medical Center and Chugoku Cancer Center)

O23-1 Characteristics of the Patient Who Required a Lead Re-Implantation Operation

Takayoshi Kato¹, Yasuhiro Yoshiga¹, Masakazu Fukuda¹, Shohei Fujii¹, Takuya Omuro¹, Makoto Ono¹, Takeshi Ueyama², Akihiko Shimizu³, Masafumi Yano¹

¹Yamaguchi University Graduate School of Medicine, ²Yamaguchi Prefectural Grand Medical Center, ³Ube Kosan Central Hospital

O23-2 Risk Factor Analysis of Our 215 Cases of Permanent Pacemaker Implantation

Satoko Ryuzaki

Chiba Rousai Hospital

O23-3 Feasibility of Superior Vena Cava Isolation in Patients with Cardiac Implantable Electrophysiological Device

Shohei Kataoka, Koichiro Ejima, Kyoichiro Yazaki, Satoshi Higuchi, Miwa Kanai, Daigo Yagishita, Morio Shoda, Nobuhisa Hagiwara

Tokyo Women's Medical University

O23-4 Continued or Minimally Interrupted Direct Oral Anticoagulants in the Perioperative Period of the Cardiac Implantable Electronic Devices

Mitsuhiko Shoda, Akira Shimane, Hirotochi Ichibori, Mitsuo Ito, Kiminobu Yokoi, Tomofumi Takaya, Yasuyo Taniguchi, Hiroya Kawai

Hyogo Brain and Heart Center

O23-5 Risk Stratification of Peri-Procedural Bleeding After Implantation of Implantable Cardioverter Defibrillator Using Modified HAS-BLED Score

Takatsugu Kajiyama, Yusuke Kondo, Masahiro Nakano, Kazuo Miyazawa, Miyo Nakano, Tomohiko Hayashi, Ryo Ito, Haruhiro Takahira, Mari Kitagawa, Yoshio Kobayashi

Chiba University Graduate School of Medicine

Oral Presentation 24 His pacing

Chairs Toshiyuki Ishikawa (Yokohama City Medical Hospital)
Yoshifumi Ikeda (Saitama Medical University International Medical Center)

O24-1 Permanent Pacemaker Implantation Using a SelectSecure Lead

Mitsuru Yoshino, Hiroshi Tasaka, Reo Hata, Masatomo Ozaki, Kazushige Kadota

Kurashiki Central Hospital

O24-2 演題は取り下げられました。

O24-3 A Comparison of Left Ventricular Synchronization Between His Bundle and Right Ventricular Outflow Tract Pacing

Yasutaka Hirayama, Noriko Makiguchi

Megumino Hospital

O24-4 Acute Hemodynamic Effects of His-Bundle Pacing in Patients with Bradycardia Due to Atrial Fibrillation and a History of Heart Failure

Masahiro Toba, Riho Suzuki, Kyoko Asakawa, Naoya Asakawa, Daisuke Murai, Yutaka Dannoura, Sanae Hamaguchi, Takao Makino, Hisashi Yokoshiki
Sapporo City General Hospital

O24-5 The Evaluation About Increase of His Bundle Capture Threshold After Permanent His Bundle Pacing

Ryo Watanabe, Hiroyuki Kato, Taku Sakurai, Chiaki Mizuno, Ryusuke Ota, Takuya Okada, Hisashi Murakami, Kenji Kada, Naoya Tsuboi
Chukyo Hospital

Oral Presentation 25 SVT

Chairs Hiroshige Yamabe (*Shin Koga Hospital*)
Yoshiaki Kaneko (*Gunma University Graduate School of Medicine*)

- O25-1 Clinical Characteristics of Challenging Catheter Ablation Procedures in Patients with WPW Syndrome**
Tadashi Fujino, Toshio Kinoshita, Ryo Wada, Kensuke Yano, Katsuya Akitsu, Masaya Shinohara, Hideki Koike, Takanori Ikeda
Toho University Graduate School of Medicine
- O25-2 Three Cases Presenting the Subatrial Connections Between Atrioventricular Nodal Pathways**
Shuntaro Tamura, Yoshiaki Kaneko, Tadashi Nakajima, Hiroshi Hasegawa, Takashi Kobari, Masahiko Kurabayashi
Gunma University
- O25-3 Cavotricuspid Isthmus Ablation with Contiguous Lesions Using VISITAG SUREPOINT and CARTO UNIVU Module in Atrial Flutter**
Atsuhiko Yagishita
Tokai University
- O25-4 Usefulness of an Ultra-High-Resolution Mapping System for Catheter Ablation of Right Free-Wall Accessory Pathway**
Takahiro Okano, Ayako Okada, Hiroaki Tabata, Wataru Shoin, Hideki Kobayashi, Koji Yoshie, Morio Shoda, Koichiro Kuwahara
Shinshu University School of Medicine
- O25-5 Usefulness of Visualization of Accessory Pathway Technique by Three-Dimensional High-Density Mapping during Catheter Ablation in the Patient with WPW Syndrome**
Chihiro Ota, Miyako Igarashi, Satoshi Shimoo, Masayuki Hattori, Noboru Ichihara, Akira Kimata, Yuki Komatsu, Hiro Yamasaki, Yukio Sekiguchi, Akihiko Nogami, Kazutaka Aonuma, Masaki Ieda
University of Tsukuba

Oral Presentation 26 SVT/AT/AFL

Chairs Masamitsu Adachi (*Sanin Rosai Hospital*)
Yoshifumi Ikeda (*Saitama Medical University International Medical Center*)

- O26-1 Epicardial Adipose Tissue and Aging are Associated with Absence of Epicardial Conduction Between Right Atrium and Right Pulmonary Vein Carina**
Ippei Tsuboi¹, Michio Ogano¹, Jun Tanabe¹, Yu-ki Iwasaki², Wataru Shimizu²
¹Shizuoka Medical Center, ²Nippon Medical School
- O26-2 Verification of Electrophysiological Criteria for a Diagnosis of ATP-Sensitive Atrial Tachycardia**
Yoshiaki Kaneko, Tadashi Nakajima, Shuntaro Tamura, Hiroshi Hasegawa, Takashi Kobari, Masahiko Kurabayashi
Gunma University Graduate School of Medicine

O26-3 Outcomes of the Epicardial-endocardial Breakthrough Site Ablation: A Novel Strategy for Perimitral Atrial Tachycardia Harboring Epicardial Conduction

Yoshikazu Sato, Shigeki Kusa, Hidenori Hirano, Yasuaki Tsumagari, Hiroaki Ohya, Satoshi Hara, Naoyuki Miwa, Kazuya Yamao, Hitoshi Hachiya, Yoshito Iesaka
Tsuchiura Kyodo General Hospital

O26-4 Characteristics of Biatrial Macro-Reentry Atrial Tachycardia in Our Hospital

Shinji Kaneko, Yoshinori Shirai, Ryota Ito, Kentaro Adachi, Hitomi Hori, Tomoaki Haga, Yosuke Tatami, Masaya Fujita, Taiki Ohashi, Ryuji Kubota, Masanori Shinoda
Toyota Kosei Hospital

O26-5 Efficacy of PSVT Ablation Using Ultra High-Density Mapping

Yoshifumi Ikeda, Ritsushi Kato, Kenta Tsutsui, Sayaka Tanaka, Hitoshi Mori, Mai Tawara, Hiroki Houya, Kaname Seki, Naokata Sumitomo, Kazuo Matsumoto
Saitama Medical University International Medical Center

Short Session 2 AF Ablation 1

Chairs Tetsuya Asakawa (*Yamanashi Kosei Hospital*)
Eitaro Fujii (*Nabari City Hospital*)

SHO2-1 Clinical Impact of Left Ventricle on the Outcome After the Second Session of Atrial Fibrillation Ablation

Sen Matsumoto, Nagahiro Nishikawa, Ayano Kuraoka, Kenki Ashida, Masataka Sugahara, Kenji Kawai, Shinpei Nakatani, Mamoru Ohnishi, Nobutaka Masunaga, Yoshiyuki Kijima, Tohru Masuyama
Hoshigaoka Medical Center

SHO2-2 演題は取り下げられました。

SHO2-3 Early Recurrence Could Be Provoked in Patients with Atrial Fibrillation Treated with Ethanol Infusion into the Vein of Marshall

Shin Hasegawa, Kazuo Kato, Nobuo Ishiguro, Shingo Yoshioka, Akimitsu Tanaka, Miyuki Ando, Hidekazu Aoyama, Ryosuke Kametani
Nagoya Tokushukai General Hospital

SHO2-4 演題は取り下げられました。

SHO2-5 演題は取り下げられました。

SHO2-6 Prevalence of Untreated Sleep Apnea Syndrome in Patients with Persistent Atrial Fibrillation Who Undergone Catheter Ablation

Yoshihiro Sobue¹, Taiji Miyake², Hiroki Kamiya², Kunihiro Tsuchiya², Hitoshi Matsuo², Eiichi Watanabe¹
¹Fujita Health University Bantane Hospital, ²Gifu Heart Center

SHO2-7 Catheter Ablation Could Be Effective Therapy for Atrial Fibrillation Patients with Severe Left Ventricular Systolic Dysfunction

Susumu Morosawa, Kentaro Aizawa, Yuhi Hasebe, Hideka Hayashi, Makoto Nakano, Hiroaki Shimokawa
Tohoku University Hospital

Short Session 3 AF Ablation 2

Chairs Shigeru Ikeguchi (*Takeda General Hospital*)
Toshiya Kurotobi (*Namba Kurotobi Heart Clinic*)

SHO3-1 Consideration of Early Recurrence of Atrial Fibrillation as a Predictive Factor of Recurrence of Atrial Tachyarrhythmia After Catheter Ablation for Atrial Fibrillation

Mariko Tanaka, Hideo Tsubata, Junichi Ooka, Yoshiaki Shimoda, Toru Mazaki, Tetsuya Tanaka, Morihiko Kondo
Kobe Central Hospital

SHO3-2 Impact of Atrial Fibrillation Ablation in Patients with Ventricular Premature Beats

Takahiro Kusume, Yoshinao Yazaki, Yasuyuki Takada, Hirotaka Takatori, Ken Takarada, Kazuhiro Satomi
Tokyo Medical University

SHO3-3 The Characteristics of Gastric Hypomotility After Catheter Ablation

Koji Sudo, Tetsuya Asakawa, Kazuya Nakagawa, Yuta Shimoura, Kazuhira Omori, Seiko Sugita, Tetsuji Mochida, Kuniyoshi Matsumura
Yamanashi Kosei Hospital

SHO3-4 Incidence and Predictors of Iatrogenic Atrial Septal Defect (iASD) After Pulmonary Vein Isolation (PVI) by Transesophageal Echocardiogram (TEE)

Takashi Yoshizawa, Satoshi Shizuta, Munekazu Tanaka, Shintaro Yamagami, Akihiro Komasa, Hirohiko Kohjitani, Takeshi Kimura
Kyoto University Hospital

SHO3-5 Influence of Operator's Experience to the Effect of Ablation Index-Guided Circumferential Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation

Hideharu Okamatsu, Junjiro Koyama, Syouzou Kaneko, Koudai Negishi, Katsuhide Hayashi, Takuo Tsurugi, Yasuaki Tanaka, Ken Okumura
Saiseikai Kumamoto Hospital

SHO3-6 The Investigation of Outcome of Catheter Ablation for Atrial Fibrillation in Hemodialysis Patients

Natsuko Hosoya, Yuichi Suzuki, Yohei Takayama, Hisashi Fukushima, Kohei Sawasaki, Masakazu Kobayashi, Masahiro Muto
Hamamatsu Medical Center

SHO3-7 演題は取り下げられました。

Short Session 4 AF Ablation 3

Chairs Taishi Kuwahara (*Tokyo Heart Rhythm Clinic*)
Shinji Kaneko (*Toyota Kosei Hospital*)

SHO4-1 Impact Weight of Power, Contact Force, and Ablation Time on LSI and AI in Pulmonary Vein Isolation

Yuta Taomoto¹, Toshimasa Tosaka¹, Aya Yamaguchi¹, Ryuki Kawamura¹, Tatsuya Fujinami¹, Hitoshi Saiki¹, Akihiro Hata¹, Yoshihide Takahashi², Masahiko Goya², Tetsuo Sasano²
¹Toshima Hospital, ²Tokyo Medical and Dental University

SHO4-2 The Relationship between Alcohol Intake and Non-Pulmonary Vein Foci in Patients with Atrial Fibrillation

Kazuya Murata¹, Osamu Inaba¹, Gaku Narita¹, Yohei Tamura¹, Hirotaka Yano¹, Giichi Nitta¹, Shunichi Kato¹, Toshikazu Kono¹, Takashi Ikenouchi¹, Yasuaki Hada¹, Miki Kanoh¹, Tomomasa Takamiya¹, Yukihiro Inamura¹, Ken Negi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Junichi Nitta², Tetsuo Sasano³
¹Japanese Red Cross Saitama Hospital, ²Sakakibara Heart Institute, ³Tokyo Medical and Dental University

SHO4-3 Prognosis of Acute Termination of Non-Paroxysmal Atrial Fibrillation by Extensive Encircling of Pulmonary-Vein Isolation Guided by Complex Fractionated Atrial Electrograms

Akihiro Yoshida, Kaoru Takami, Shinichiro Yamada, Kohei Yamawaki, Toru Tagashira, Mana Hiraishi, Daisuke Terashita, Shigeyasu Tsuda, Ayaka Fujita, Shota Naniwa, Kojiro Awano
Kita-Harima Medical Center

SHO4-4 演題は取り下げられました。

SHO4-5 Efficacy of a Novel Superior Vena Cava (SVC) Isolation Method in Patients with Atrial Fibrillation Initiated from the SVC

Akira Fukui¹, Kei Hirota¹, Takanori Yamaguchi², Hidekazu Kondo¹, Tetsuji Shinohara¹, Kouichi Node², Naohiko Takahashi¹
¹*Oita University*, ²*Saga University*

SHO4-6 Efficacy of Catheter Ablation for Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy

Kazuhiro Nagaoka¹, Takeo Yufu¹, Takamori Kakino¹, Susumu Takase², Yasushi Mukai³, Hideki Tashiro¹
¹*St. Mary's Hospital*, ²*Kyushu University Hospital*, ³*Japanese Red-Cross Fukuoka Hospital*

SHO4-7 演題は取り下げられました。

Oral Presentation 27 LBBAP

Chairs Toshiaki Sato (*Kyorin University School of Medicine*)
Katsuhito Fujii (*The University of Tokyo Hospital*)

O27-1 Is Direct Left Bundle Branch Capture Necessary for Left Bundle Branch Area Pacing?

Hiroyuki Kato, Taku Sakurai, Chiaki Mizuno, Ryusuke Ota, Ryo Watanabe, Takahito Mizuno, Noriko Miyazawa, Takuya Okada, Hisashi Murakami, Kenji Kada, Naoya Tsuboi
Chukyo Hospital

O27-2 Stability and Safety of Left Bundle Branch Area Pacing in Patients with Atrioventricular Block

Ikuko Togashi, Toshiaki Sato, Akiko Ueda, Yosuke Miwa, Kyoko Hoshida, Noriko Nonoguchi, Yuichi Momose, Yumi Katsume, Takato Mohri, Kyoko Soejima
Kyorin University School of Medicine

O27-3 演題は取り下げられました。

O27-4 演題は取り下げられました。

Oral Presentation 28 Leadless PM 1

Chairs Koji Fukuda (*International University of Health and Welfare Hospital*)
Yukio Sekiguchi (*Sakakibara Heart Institute*)

O28-1 Prognosis and Indication of Leadless Pacemaker in Patients Without Atrial Fibrillation

Makoto Takano¹, Akira Kasagawa², Ikutarou Nakajima², Hisao Matsuda¹, Naoki Matsumoto², Yoshihiro Akashi², Tomoo Harada²
¹*St. Marianna University Yokohama City Seibu Hospital*, ²*St. Marianna University Hospital*

O28-2 The Feasibility of Leadless Pacemaker Implantation for Super Elderly Patients

Motomi Tachibana, Yusuke Hasui, Kensuke Matsumoto, Kimikazu Banba
Sakakibara Heart Institute

O28-3 Comparison of Device Parameters and Complications Between Septal and Non-Septal Implantation of Leadless Pacemaker

Hirofumi Arai¹, Akira Mizukami¹, Yuki Shimizu¹, Jiro Hiroki¹, Shu Yamashita¹, Akihiko Matsumura¹, Tetsuo Sasano²
¹*Kameda Medical Center*, ²*Tokyo Medical and Dental University*

O28-4 Patient Profile and Procedural Characteristics of Japanese Patients Undergoing Leadless Pacemaker Implant in the Real-world Setting

Kenji Ando¹, Tomoo Harada², Junichi Nitta³, Kengo Kusano⁴, Yukihiko Yoshida⁵, Satoshi Shizuta⁶, Toshiyuki Ishikawa⁷, Taku Asano⁸, Masaaki Kurata⁹, Kyoko Soejima¹⁰
¹*Kokura Memorial Hospital*, ²*St. Marianna University School of Medicine Hospital*, ³*Sakakibara Heart Institute*, ⁴*National Cerebral and Cardiovascular Center*, ⁵*Japanese Red Cross Nagoya Daini Hospital*, ⁶*Kyoto University Hospital*, ⁷*Yokohama City University Hospital*, ⁸*Showa University Hospital*, ⁹*Showa University Fujigaoka Hospital*, ¹⁰*Kyorin University Hospital*

O28-5 Acute and Late-Stage Performance of a Micra Transcatheter Pacing System

Takato Mohri, Toshiaki Sato, Yumi Katsume, Momose Yuichi, Noriko Nonoguchi, Kyoko Hoshida, Yosuke Miwa, Ikuko Togashi, Akiko Ueda, Kyoko Soejima
Kyorin University Hospital

Oral Presentation 29 S-ICD/Lead

Chairs Takayuki Uchida (*Iizuka Hospital*)
Kentaro Nakamura (*Shin-Yamanote Hospital*)

- O29-1 Which is Better, a Transvenous or an Subcutaneous Implantable Cardioverter-Defibrillator, for Patients Surviving Out-of-Hospital Cardiac Arrest with Ventricular Fibrillation as Initial Rhythm?**
Rie Akagawa¹, Yukio Hosaka¹, Kazuyoshi Takahashi¹, Keiichi Tsuchida¹, Komei Tanaka¹, Yuta Sakaguchi¹, Mayumi Kase¹, Shinya Fujisaki¹, Yuka Sekiya¹, Masaomi Chinushi², Hiroataka Oda¹
¹Niigata City General Hospital, ²Niigata University School of Medicine
- O29-2 Long-Term Durability of Transvenous Implantable Cardioverter-Defibrillator Lead: A Single Center Observational Study**
Takuo Tsurugi, Jyunjiro Koyama, Shozo Kaneko, Kodai Negishi, Katsuhide Hayashi, Hideharu Okamatsu, Yasuaki Tanaka, Ken Okumura
Saiseikai Kumamoto Hospital
- O29-3 演題は取り下げられました。**
- O29-4 Significance of the Shock Impedance of S-ICD as a Reliable Indicator for Defibrillation Success in Japanese Patients**
Yuji Ishida, Shingo Sasaki, Shogo Hamaura, Kimitaka Nishizaki, Takahiko Kinjo, Taihei Itoh, Daisuke Horiuchi, Noriyoshi Kaname, Masaomi Kimura, Hirofumi Tomita
Hirosaki University

Oral Presentation 30 CRT 1

Chairs Takeshi Mitsuhashi (*Hoshi General Hospital*)
Michio Ogano (*Shizuoka Medical Center*)

- O30-1 Predictor of Appropriate Implantable Cardioverter Defibrillator Therapy and Prior Death in Patients with CRT**
Atsushi Kuraishi, Takuro Masuda, Nobuhiro Nishii, Tomofumi Mizuno, Tomonari Kimura, Saori Asada, Masakazu Miyamoto, Akihito Miyoshi, Koji Nakagawa, Atsuyuki Watanabe, Hiroshi Morita, Hiroshi Ito
Okayama University
- O30-2 Association with Electrical Reverse Remodeling by Cardiac Resynchronization Therapy and Adverse Cardiac Events in Patients of Heart Failure with Reduced Ejection Fraction**
Hideki Kobayashi, Ayako Okada, Hiroaki Tabata, Wataru Shoin, Takahiro Okano, Koji Yoshie, Morio Shoda, Koichiro Kuwahara
Shinshu University
- O30-3 Repeated Episodes of Heart Failure are Associated with a Poor Echocardiographic and Clinical Response to Cardiac Resynchronization Therapy**
Atsushi Kuraishi, Akane Tsuchiya, Shougo Matsui, Fumiharu Miura, Yoshimitsu Hakoda, Daisuke Kawano, Atsuo Mogami, Kenji Masada, Nozomu Oda, Youji Urabe, Ryou Yamazato, Naoya Mitsuba, Hironori Ueda
Hiroshima Prefectural Hospital
- O30-4 演題は取り下げられました。**
- O30-5 The Safety and Effectiveness of an Active Fixation Quadripolar Left Ventricular Lead for Cardiac Resynchronization Therapy**
Yasushi Arakaki, Hiroshi Tasaka, Ryuki Chatani, Atsushi Sakata, Mitsuru Yoshino, Kazushige Kadota
Kurashiki Central Hospital

Oral Presentation 31 CRT 2

Chairs Toshiko Nakai (*Nihon University School of Medicine*)
Yusuke Kondo (*Chiba University Graduate School of Medicine*)

- O31-1 Usefulness of Far-distal Wiring over the Apex to Position the Left Ventricular Lead of Cardiac Resynchronization Therapy**
Hirohide Matsuura, Taku Ikuta, Takayuki Toyohara, Arihide Okahara, Shunsuke Kawai, Masaki Tokutome, Yoshiko Kuribayashi, Ryuichi Matsukawa, Seigou Masuda, Yasushi Mukai
Japanese Red Cross Fukuoka Hospital
- O31-2 演題は取り下げられました。**
- O31-3 演題は取り下げられました。**
- O31-4 Trial to Reduce Number of Therapy Event in Patients with Cardiac Resynchronization Therapy Defibrillator**
Ko Ogawa, Kosuke Yoshikawa, Akinori Ochi, Koichiro Inokuchi, Yoshimi Onishi, Taku Asano, Shinji Koba, Youichi Kobayashi, Toshiro Shinke
Showa University School of Medicine
- O31-5 Changes in Prognostic Nutritional Index After Cardiac Resynchronization Therapy Are Associated with Echocardiographic Response and Clinical Outcome**
Shinya Yamada, Kazuaki Amami, Naoko Hijioaka, Masashi Kamioka, Takashi Kaneshiro, Yasuchika Takeishi
Fukushima Medical University

Oral Presentation 32 CRT 3

Chairs Shinichi Niwano (*Kitasato University School of Medicine*)
Yasuhiro Yoshiga (*Yamaguchi University Graduate School of Medicine*)

- O32-1 Prediction of Reverse-Remodeling After Cardiac Resynchronization Therapy Using Intrinsic Myocardial Conduction Velocity**
Haruhiro Takahira, Takatsugu Kajiyama, Masafumi Sugawara, Toshinori Chiba, Mari Kitagawa, Ryo Ito, Miyo Nakano, Masahiro Nakano, Yusuke Kondo, Yoshio Kobayashi
Chiba University Graduate School of Medicine
- O32-2 Interaction of Left Ventricular Size with the Outcome of Cardiac Resynchronization Therapy in Japanese Patients**
Ryo Ito, Yusuke Kondo, Masahiro Nakano, Takatsugu Kajiyama, Miyo Nakano, Haruhiro Takahira, Mari Kitagawa, Masafumi Sugawara, Toshinori Chiba, Yoshio Kobayashi
Chiba University Graduate School of Medicine
- O32-3 Left Ventricular Latency Intervals Change Larger than Right Ventricular Latency Interval in Cardiac Resynchronization Therapy Patients**
Hajime Imai, Yosuke Murase, Keita Mamiya, Kei Okabe
Komaki City Hospital
- O32-4 Clinical Outcomes of Upgrade Versus de Novo Cardiac Resynchronization Therapy in Mild Heart Failure Patients with Atrioventricular Conduction Block**
Miwa Kanai, Daigo Yagishita, Morio Shoda, Shohei Kataoka, Kyoichiro Yazaki, Koichiro Ejima, Nobuhisa Hagiwara
Tokyo Women's Medical University

第8会場 (WEB配信)

メディカルプロフェッショナル口述演題 5

座長 杉 薫 (小田原循環器病院)
光石 純子 (北光記念病院)

MPO5-1 演題は取り下げられました。

MPO5-2 His bundle pacing症例におけるペースメーカー外来での閾値測定の工夫

水野 貴仁¹, 加藤 寛之², 伊藤 美帆¹, 池田 裕紀¹, 皆川 和也¹, 渡邊 亜耶子¹, 齋藤 康孝¹

¹独立行政法人地域医療機能推進機構中京病院臨床工学科, ²独立行政法人地域医療機能推進機構中京病院循環器内科

MPO5-3 当院における遠隔モニタリングデータ送信不能事例の検討

遠藤 義幸¹, 木曾 匡¹, 春日 大志¹, 小林 広武¹, 本間 竜海¹, 今井 南¹, 鳴海 大輔¹, 山田 竜¹,
大平 洋介¹, 勝又 稔¹, 笠井 督雄²

¹魚沼基幹病院臨床工学科, ²魚沼基幹病院循環器内科

MPO5-4 CLSは心不全患者に有用か?

西田 純士¹, 山口 裕司¹, 齋藤 悠¹, 田村 雄大¹, 武田 沙緒梨¹, 荒川 保雄¹, 上田 彰¹, 竹内 誠²,
小島 啓史², 大澤 文乃², 塩田 日子², 小林 佑輔², 山根 彩², 永井 道明², 香川 英介², 國田 英司²,
小田 登², 加藤 雅也², 土手 慶五²

¹広島市立安佐市民病院臨床工学室, ²広島市立安佐市民病院循環器内科

MPO5-5 デバイス異常による早期電池消耗に対し遠隔モニタリングで経過観察後、適切に交換を行った1例

尾辻 真矢¹, 鈴木 靖司², 西岡 克記¹, 茶谷 高太郎¹, 宗 大輔¹, 鴨下 方彦¹, 三浦 和真¹, 泉 雄介¹,
加藤 勲², 伊藤 良隆², 内藤 千裕², 小島 宏貴², 田邊 すばる², 天野 哲也²

¹愛知医科大学病院臨床工学部, ²愛知医科大学循環器内科

メディカルプロフェッショナル口述演題 6

座長 中島 博 (千葉西総合病院不整脈センター)
一柳 宏 (名古屋大学医学部附属病院臨床工学技術部)

MPO6-1 ペースメーカー起因性不整脈によるICDのショック作動を遠隔モニタリングにて早期に発見・対応できた1例

齋藤 悠¹, 山口 裕司¹, 西田 純士¹, 田村 雄大¹, 武田 沙緒梨¹, 荒川 保雄¹, 上田 彰¹, 竹内 誠²,
小島 啓史², 大澤 文乃², 塩田 日子², 小林 佑輔², 山根 彩², 永井 道明², 香川 英介², 國田 英司²,
小田 登², 加藤 雅也², 土手 慶五²

¹広島市立安佐市民病院臨床工学室, ²広島市立安佐市民病院循環器内科

MPO6-2 ASVのマスクが原因と考えられたデバイスアラート発報の1症例

持丸 篤, 塩山 陽平, 領毛 一雅, 長谷川 慎一, 高垣 勝

滋賀県立総合病院臨床工学部

MPO6-3 当院におけるS-ICD植込み患者の術後疼痛管理の調査

望月 由香¹, 井上 完起², 小澤 輝恵¹, 関口 奈津子¹, 間淵 圭², 福永 寛², 長瀬 宇彦², 新田 順一²,
磯部 光章²

¹榊原記念病院看護部, ²榊原記念病院循環器内科

MPO6-4 演題は取り下げられました。

MPO6-5 両室ペーシング自動調整機能付きCRT植込み効果の検証

有道 真久¹, 丸山 雄大¹, 金本 雄泰¹, 山本 匡範¹, 中島 康佑¹, 津島 正義², 松本 健佑³, 橋 元見³,
林田 晃寛³, 伴場 圭一³

¹心臓病センター榊原病院臨床工学科, ²心臓病センター榊原病院心臓血管外科, ³心臓病センター榊原病院循環器内科

メディカルプロフェッショナル口述演題 7

座長 庭野 慎一 (北里大学医学部循環器内科学)
丹生 治司 (小倉記念病院検査技師部)

MPO7-1 遠隔モニタリングシステムの臨床アラートメール標準化に関する検討

薄葉 政人¹, 林 英守², 大澤 翔太¹, 鈴木 まどか², 浅見 陽介¹, 岩間 華織¹, 江口 未紗紀¹,
高島 滉平¹, 木村 友紀², 田淵 晴名², 関田 学², 南野 徹²

¹順天堂大学医学部附属順天堂医院臨床工学室, ²順天堂大学医学部循環器内科

MPO7-2 リードレスペースメーカーMicra留置時の先端圧波形の検討

佐藤 尚¹, 藤井 暁¹, 布谷 大輔¹, 玉城 瑛信¹, 川口 裕正¹, 餅田 裕太¹, 佐々木 亮介¹, 岩田 湧斗¹,
安田 悠人¹, 丸山 悟¹, 高野 誠², 原田 智雄²

¹聖マリアンナ医科大学病院クリニカルエンジニア部, ²聖マリアンナ医科大学病院循環器内科

MPO7-3 演題は取り下げられました。

MPO7-4 心臓再同期療法へのUp-Gradeに難渋した2症例

神谷 典男¹, 北本 憲永¹, 藤井 洵希¹, 加藤 好信², 逸見 隆太², 杉浦 亮²

¹聖隷浜松病院臨床工学室, ²聖隷浜松病院循環器科

MPO7-5 完全皮下植込み型除細動器(S-ICD)植込み患者の上肢動作によりノイズセンシング(NS)をきたした2症例

小松崎 達也¹, 高野 真史¹, 久松 学¹, 細川 正浩¹, 久佐 茂樹², 蜂谷 仁², 家坂 義人²

¹土浦協同病院臨床工学部, ²土浦協同病院循環器内科

メディカルプロフェッショナル・ベストアブストラクト

座長 池主 雅臣 (新潟大学医学部保健学科)
栗田 康生 (国際医療福祉大学大学院特定行為看護師養成分野/三田病院心臓血管センター)
選考委員: 樽木 晶子 (福岡歯科大学医科歯科総合病院健診センター)
三橋 武司 (星総合病院循環器内科)
福田 浩二 (国際医療福祉大学病院不整脈センター)
丹生 治司 (小倉記念病院検査技師部)
梅津 努 (筑波大学医学医療系支援室循環器内科/坂根Mクリニック)
堺 美郎 (済生会熊本病院臨床工学部)

BAA-1 高周波通電効果に対する対極板貼付部位の影響

山田 浩昭¹, 山崎 継敬², 品川 文吾¹, 後藤 綾子¹

¹たちばな台病院臨床工学課, ²たちばな台クリニック循環器内科

BAA-2 イリゲーション機能付きマッピングカテーテルの還流量試験による安全性評価

新城 卓美¹, 木滝 慶太郎¹, 野口 壮一¹, 鈴木 正明¹, 庄子 真優¹, 山崎 隆文¹, 水上 暁², 山下 周²

¹亀田総合病院ME室, ²亀田総合病院循環器内科

BAA-3 レーザーバルーンカテーテルおよび高周波イリゲーションカテーテルを使用した組織温度変化の検証実験

根津 知行, 矢崎 義直, 千葉 晶奈, 里見 和浩
東京医科大学病院循環器内科

BAA-4 女性患者におけるS-ICD植込み時のドレーピング方法の検討

関口 奈津子¹, 井上 完起², 山下 美由紀¹, 浅野 奏², 間淵 圭², 福永 寛², 長瀬 宇彦², 池亀 俊美¹,
新田 順一², 磯部 光章²
¹榊原記念病院看護部, ²榊原記念病院循環器内科

BAA-5 S-ICD植込み症例における上肢挙上時のジェネレータ位置移動と不適切作動の関係

千葉 晶奈, 根津 知行, 矢崎 義直, 里見 和浩
東京医科大学病院循環器内科不整脈センター

メディカルプロフェSSIONナル口述演題 8

座長 橋本 賢一 (防衛医科大学校総合臨床部)
植田 隆介 (近畿大学奈良病院臨床工学部)

MPO8-1 持続性心房細動におけるSpatiotemporal Electrogram DispersionとCFAEおよびLow Voltage Areaとの関連性の検討

高橋 泰輝¹, 森田 典成², 加藤 翔一¹, 佐藤 美沙紀¹, 永田 吾一³, 小島 優¹, 瀬戸 享往¹,
干場 泰成⁴, 七尾 富久², 飯田 剛幸², 藤林 大輔², 上野 亮², 小林 義典²
¹東海大学医学部附属八王子病院診療協力部臨床工学技術科, ²東海大学医学部附属八王子病院循環器内科, ³東海大学医学部附属病院診療技術部臨床工学技術科, ⁴相模原協同病院循環器内科

MPO8-2 肺静脈隔離術後の心房細動再発と左房内伝導速度の関係について

倉田 直哉¹, 神田 貴史², 大山 浩樹¹, 伊藤 主峻¹, 片桐 悠介¹, 松田 祥宏², 増田 正晴²
¹関西ろうさい病院臨床工学室, ²関西ろうさい病院循環器内科

MPO8-3 簡易スクリーニング検査による閉塞性睡眠時無呼吸症候群の有無が心房細動アブレーション手技に及ぼす影響

水谷 晃暢¹, 田中 宣暁², 松平 華¹, 山本 和彦¹, 矢野 裕大¹, 筏 雄亮¹, 阿部 顕正¹, 三原 幸雄¹,
井上 耕一²
¹桜橋渡辺病院臨床工学科, ²桜橋渡辺病院循環器内科

MPO8-4 SATAKE・HotBalloonカテーテルのバルーン内圧による焼灼効果の違いについての検討

長瀬 弘行¹, 洞垣内 拓也¹, 奥村 悠太¹, 佐藤 綾乃¹, 大坪 克浩¹, 新田 功児¹, 浅井 徹², 岡田 太郎²
¹一宮市立市民病院臨床工学室, ²一宮市立市民病院循環器内科

MPO8-5 Cryoballoon Ablation施行時におけるシングルストップとダブルストップについての比較検討

満岡 宏介¹, 稲川 梓¹, 木下 尚之¹, 松永 誠吾¹, 村上 正人²
¹湘南鎌倉総合病院臨床工学科, ²湘南鎌倉総合病院循環器内科

MPO9-1 LV Summit起源の心室頻拍に対し, Dual Pacing (右室流出路-前室間冠静脈)により起源同定に至った1例

石井 渉¹, 縮 恭一¹, 渋谷 未来¹, 高瀬 弘樹¹, 井坂 まい¹, 坂元 雄介¹, 森谷 忠生¹, 山本 純偉¹, 梅津 努², 小松 雄樹², 町野 毅², 山崎 浩², 五十嵐 都², 野上 昭彦², 青沼 和隆², 家田 真樹²

¹筑波大学附属病院医療機器管理センター, ²筑波大学医学医療系循環器内科

MPO9-2 2nd Session症例のAuto MappingにおけるLast Detection設定の有用性の検討

飛田 祥伸¹, 橘 銀平¹, 山崎 裕司¹, 岩井 瑠美¹, 山崎 凌¹, 峰 隆直², 貴島 秀行², 福原 英二², 保科 凜²

¹兵庫医科大学病院臨床工学部, ²兵庫医科大学循環器内科・冠疾患科

MPO9-3 肺静脈隔離術におけるAblation Indexを利用した低侵襲化への試みと治療成績の検討

前田 英将¹, 薄井 健次¹, 中山 広譜¹, 高橋 和美¹, 千葉 巧登¹, 柴野 則夫¹, 田中 数彦², 畠 信哉², 清野 正典³

¹春日部中央総合病院臨床工学科, ²春日部中央総合病院心臓病センター不整脈科, ³泉ヶ丘クリニック

MPO9-4 EnSiteの心房MapにおけるAuto Map精度向上のための工夫

渡邊 哲広¹, 中原 志朗², 渡辺 俊哉¹, 桑原 瞳¹, 岩花 妙子¹, 佐藤 弘嗣², 西山 直希², 福田 怜子², 堀 裕一², 田口 功²

¹獨協医科大学埼玉医療センター臨床工学部, ²獨協医科大学埼玉医療センター循環器内科

MPO9-5 3Dマッピングシステムの磁場によるiVADへの影響

中野 克哉¹, 谷岡 怜¹, 陽川 直子¹, 岩井 謙典¹, 加藤 博史¹, 曾宮 雄一郎², 高見 充³, 木内 邦彦³, 福沢 公二³

¹神戸大学医学部附属病院医療技術部臨床工学部門, ²神戸大学医学部附属病院医療技術部放射線部門, ³神戸大学循環器内科学分野不整脈先端治療学部門

Oral Presentation 33 Heart Failure / AF

Chairs Hisashi Yokoshiki (*Sapporo City General Hospital*)
Tomoyuki Kabutoya (*Jichi Medical University*)

O33-1 Impact of Renal Dysfunction on the Prognosis of Patients with Heart Failure Complicated with Atrial Fibrillation

Keijiro Nakamura¹, Takahito Takagi¹, Hikari Hashimoto¹, Rina Ishi¹, Masako Asami¹, Tsuyoshi Sakai², Mahito Noro³, Masao Moroi¹, Kaoru Sugi⁴, Masato Nakamura¹

¹Toho University Ohashi Medical Center, ²Yokohama Saiseikai Tobu Hospital, ³Toho University Sakura Medical Center, ⁴Odawara Cardiovascular Hospital

O33-2 Catheter Ablation of Atrial Fibrillation May Benefit the Patients with HFpEF Irrespective of Preoperative Rate Control Status

Ryota Yamauchi, Itsuro Morishima, Yasuhiro Morita, Kensuke Takagi, Yasunori Kanzaki, Hiroaki Nagai, Naoki Watanabe, Naoki Yoshioka, Shotaro Komeyama, Hiroki Sugiyama, Kazuki Shimojo, Takuro Imaoka, Gaku Sakamoto

Ogaki Municipal Hospital

O33-3 Monitoring Efficacy of Ventricular Arrhythmia for the Prediction of Heart Failure Patient Prognosis

Kazuaki Amami, Shinya Yamada, Naoko Hijioaka, Takashi Kaneshiro, Masashi Kamioka, Yasuchika Takeishi
Fukushima Medical University

Oral Presentation 34 Leadless PM 2

Chairs Yukihiro Yoshida (*Japanese Red Cross Nagoya Daini Hospital*)
Hitoshi Minamiguchi (*Osaka Police Hospital*)

O34-1 Usefulness of Individualized Left Anterior Oblique Projection Acquired by Using A Right Ventricular Pigtail Catheter in Leadless Pacemaker Implantation

Kazuya Yamao, Shigeki Kusa, Hidenori Hirano, Yasuaki Tsumagari, Hiroaki Ohya, Satoshi Hara, Yoshikazu Sato, Naoyuki Miwa, Hitoshi Hachiya, Yoshito Iesaka

Tsuchiura Kyodo General Hospital

O34-2 How to Reduce the Dose of Contrast During Implanting Leadless Pacemaker

Mana Fukuyado, Naoya Oketani, Kento Tagata, Tatsuo Yokomine, Kenta Omure, Shunichi Imamura, Mariko Kawasoe, Hideaki Otsuji, Hideto Chaen, Masakazu Ogawa, Masaaki Miyata

Kagoshima City Hospital

O34-3 Usefulness and Safety of Leadless Pacemaker Implantation After Lead Extraction for Infectious Indication

Rei Kuji, Jun Hirokami, Junji Morita, Masato Fukunaga, Michio Nagashima, Kenichi Hiroshima, Kenji Andou
Kokura Memorial Hospital

O34-4 Lower Impedance at the Time of Implantation Predicts High Pacing Threshold During Follow-Up in Patients with Leadless Pacemakers

Mikiko Matsumura, Hitoshi Minamiguchi, Junichi Ohno, Tomoaki Kobayashi, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Nobuhiko Makino, Atsushi Hirayama, Yoshiharu Higuchi

Osaka Police Hospital

Chairs Masahiko Takagi (*Kansai Medical University Medical Center*)
Yasushi Miyauchi (*Nippon Medical School Chiba Hokusoh Hospital*)

O35-1 Clinical Features and Risk of Inappropriate Shock Therapy during Wearable Cardioverter-defibrillator

Masakazu Fukuda¹, Yasuhiro Yoshiga¹, Makoto Ono¹, Takayoshi Kato¹, Shohei Fujii¹, Takuya Omuro², Takeshi Ueyama³, Akihiko Shimizu⁴, Masafumi Yano¹

¹Yamaguchi University Graduate School of Medicine, ²Yamaguchi University, Faculty of Medicine and Health Sciences, ³Yamaguchi Prefectural Grand Medical Center, ⁴Ube-Kohsan Central Hospital

O35-2 Efficacy of Atrial Antitachycardia Pacing for Atrial Tachyarrhythmias in Patients with Lethal Ventricular Tachyarrhythmias

Yukio Hosaka¹, Kazuyoshi Takahashi¹, Keiichi Tsuchida¹, Komei Tanaka¹, Masataka Arita¹, Rie Akagawa¹, Norihito Oyanagi¹, Kenji Nakano¹, Ken Watanabe¹, Hayao Ikesugi¹, Hideki Usuda¹, Masaomi Chinushi²

¹Niigata City General Hospital, ²Niigata University School of Medicine

O35-3 Incidence and Predictors of Anti-Tachycardia Pacing Treatment After Implantable Cardioverter Defibrillator Implantation in Japanese Patients with Coronary Artery Disease: JID-CAD Study

Tomoyuki Kabutoya¹, Takeshi Mitsunashi², Kouhei Ishibashi³, Makoto Ono⁴, Ritsuko Kouno⁵, Hisashi Yokoshiki⁶, Akihiko Shimizu⁷

¹Jichi Medical University School of Medicine, ²Saitama Medical Center, ³National Cerebral and Cardiovascular Center, ⁴Yamaguchi University, ⁵University of Occupational & Environmental Health, ⁶Sapporo City General Hospital, ⁷Ube-Kohsan Central Hospital

O35-4 Survey on the Status of Implantable Cardioverter Defibrillator for the Primary Prevention of Sudden Death in a Japanese Institution

Koichi Inoue, Koji Tanaka, Yuko Hirao, Nobuaki Tanaka, Masato Okada, Shinichi Harada, Issei Yoshimoto, Toshinari Onishi

Sakurabashi Watanabe Hospital

O35-5 Confirmed Unnecessary: Chest Computer Tomography Is Safe Without Additional Interrogation or Monitoring for Cardiac Implantable Electrical Devices Manufactured in 2012 or Later

Kenta Tsutsui¹, Ritsushi Kato¹, Yoshifumi Ikeda¹, Sayaka Tanaka¹, Hitoshi Mori¹, Hiroki Hoya¹, Kazuo Matsumoto²

¹Saitama Medical University International Medical Center, ²Higashimatsuyama Medical Association Hospital

Oral Presentation 36 PVI 1

Chairs Shigeto Naito (*Gunma Cardiovascular Center*)
Taku Asano (*Showa University Fujigaoka Hospital*)

- O36-1 Differences in Acute Pulmonary Vein Reconnections with Ablation Using the Same Ablation Index Value, but Different Power Settings**
Yuya Sudo^{1,2}, Keisuke Okawa¹, Ryu Tsushima¹, Satoshi Taya¹, Wataru Takagi¹, Masahiro Sogo¹, Satoko Ugawa¹, Tomoaki Okada¹, Kazumasa Nosaka¹, Masahiko Takahashi¹, Kousuke Sakane¹, Masayuki Doi¹
¹Kagawa Prefectural Central Hospital, ²Naoshima Municipal Clinic
- O36-2 Acute Effectiveness and Safety of VISITAG SURPOINT Guided Radiofrequency Catheter Ablation for Atrial Fibrillation in Japan: Interim Results from the MIYABI Study**
Ken Okumura¹, Masahiko Goya², Koichi Inoue³, Hideki Origasa⁴, Masatsugu Okamoto⁵, Akihiko Nogami⁶
¹Saiseikai Kumamoto Hospital, ²Tokyo Medical and Dental University, ³Sakurabashi Watanabe Hospital, ⁴University of Toyama, ⁵Johnson & Johnson K.K., ⁶University of Tsukuba
- O36-3 Fluoroscopic time and Catheter Stability with the Use of a Steerable Sheath Visualized by a 3-dimensional Mapping System during Pulmonary Vein Isolation**
Yuji Wakamatsu, Koichi Nagashima, Naoto Otsuka, Satoshi Hayashida, Seina Yagyū, Shu Hirata, Moyuru Hirata, Sayaka Kurokawa, Toshiko Nakai, Yasuo Okumura
Nihon University School of Medicine
- O36-4 Interatrial Conduction Time Predicts the Outcome after Pulmonary Vein Antrum Isolation**
Kei Hirota¹, Akira Fukui¹, Takanori Yamaguchi², Ichitaro Abe¹, Kana Nakashima², Toyokazu Otsubo², Tetsuji Shinohara¹, Naohiko Takahashi¹
¹Oita University, ²Saga University
- O36-5 Impact of Catheter Stability on Durability of Pulmonary Vein Isolation**
Masayuki Ohta, Kentaro Hayashi, Hiroyuki Sato, Mitsugu Hirokami, Satoshi Yuda
Teine Keijinkai Hospital

Oral Presentation 37 PVI 2

Chairs Satoru Sakagami (*Kanazawa Medical Center*)
Seiichiro Matsuo (*Kyorin University School of Medicine*)

- O37-1 Ablation Index Guide Pulmonary Vein Isolation can Reduce Early Recurrence of Atrial Fibrillation: a Propensity Score-matched Analysis**
Koji Yasumoto, Yasuyuki Egami, Hiroaki Nohara, Taku Toyoshima, Naoko Higashino, Kohei Ukita, Akito Kawamura, Kyosuke Yanagawa, Hitoshi Nakamura, Yutaka Matsuhira, Masaki Tsuda, Naotaka Okamoto, Akihiro Tanaka, Yasuharu Matsunaga, Masamichi Yano, Masaki Yamato, Ryu Shutta, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital
- O37-2 演題は取り下げられました。**
- O37-3 Target Range of Lesion Index Obtained from Conventional Pulmonary Vein Isolation Procedures**
Satoshi Takahashi¹, Takanao Mine², Hideyuki Kishima², Eiji Fukuhara², Masaharu Ishihara²
¹Kawasaki Hospital, ²Hyogo College of Medicine

O37-4 The Advantage of Ablation Index-Guided Atrial Fibrillation Ablation Over Force-Time Integral-Guided Ablation

Hideharu Okamatsu, Junjiro Koyama, Shouzou Kaneko, Koudai Negishi, Katsuhide Hayashi, Takuo Tsurugi, Yasuaki Tanaka, Ken Okumura
Saiseikai Kumamoto Hospital

O37-5 Automated Annotation-guided Radiofrequency Ablation Improves Learning Curve for Pulmonary Vein Isolation

Nobuaki Tanaka, Koichi Inoue, Koji Tanaka, Yuko Hirao, Takafumi Oka, Masato Okada, Ryo Kitagaki, Issei Yoshimoto, Yasushi Koyama, Katsuomi Iwakura, Kenshi Fujii
Sakurabashi Watanabe Hospital

Oral Presentation 38 BOXI

Chairs Yumie Matsui (*Osaka Saiseikai Izuo Hospital*)
Hideko Toyama (*Fukuoka Sanno Hospital Heart Rhythm Center*)

O38-1 Impact of Left Atrial Posterior Wall Isolation for Non-Paroxysmal Atrial Fibrillation with Reduced Left Atrial Appendage Flow

Kojiro Tanimoto, Yoko Tanimoto, Nayuka Sumida, Kohei Inagawa, Yukinori Ikegami, Munehisa Sakamoto, Yukihiro Momiyama
Tokyo Medical Center

O38-2 High voltage areas and wall thickness of LA: Major Obstacles to Completion of LA Posterior Wall Isolation

Satoshi Hayashida, Koichi Nagashima, Masaru Arai, Ryuta Watanabe, Yuji Wakamatsu, Naoto Ootsuka, Sayaka Kurokawa, Toshiko Nakai, Yasuo Okumura
Nihon University School of Medicine

O38-3 The Electrophysiological Characters of the Island-like Residual Potentials Within the Left Atrial Posterior Wall Isolated Area Without Gaps of Ablation Lesions

Toru Kawakami, Naoki Saitou, Kei Yamamoto, Shinya Wada, Yuka Tanizaki, Yasuhiro Ono, Houjou Sasaki, Tomo Ando, Hideo Takahashi, Kei Hatori, Takayuki Onishi, Hiroshi Fukunaga, Tetsuya Toubaru
Kawasaki Saiwai Hospital

O38-4 Bi-Atrial Remodeling after Box Isolation in Patients with Non-paroxysmal Atrial Fibrillation

Yoshio Yamaguchi, Takayasu Tada, Tarou Ichise, Youji Nagata, Tomohito Mabuchi, Tatsuaki Mukakami, Ikuo Moriuchi, Kazuo Osato
Fukui Cardiovascular Center

O38-5 Efficacy of Electrical Isolation of the Left Atrial Posterior Wall Depends on the Existence of Left Atrial Low-voltage Zone in Patients with Persistent Atrial Fibrillation

Shunsuke Uetake¹, Yasushi Miyauchi¹, Mitsunori Maruyama², Noriyuki Kobayashi¹, Toshiki Arai¹, Wataru Shimizu³

¹Nippon Medical School Chiba-Hokusoh Hospital, ²Nippon Medical School Musashi-Kosugi Hospital, ³Nippon Medical School Hospital

Oral Presentation 39 Cryoballoon Ablation 1

Chairs Junichi Nitta (*Sakakibara Heart Institute*)
Yasuhiro Yoshiga (*Yamaguchi University Graduate School of Medicine*)

- O39-1 Indirect Modification of Superior Vena Cava Via Cryoballoon Application to the Right Superior Pulmonary Vein May Suppress Recurrence of Atrial Fibrillation**
Tomihisa Nanao, Norishige Morita, Takayuki Iida, Daisuke Fujibayashi, Akiko Ushijima, Akira Ueno, Yoshinori Kobayashi
Tokai University Hachioji Hospital
- O39-2 CFAE-Guided Catheter Ablation with the Only Cryoballoon Might be an Effective Option for Persistent Atrial Fibrillation**
Hideshi Aoyagi, Hiroaki Nakamura, Yasuhiro Yokoyama, Nobuyuki Komiyama
St. Luke's International Hospital
- O39-3 Cryoballoon-Based Catheter Ablation for Atrial Fibrillation Modifies Cardiac Autonomic Nervous System**
Tetsuji Shinohara
Oita University
- O39-4 Quantification of the Parasympathetic Denervation by Extracardiac Vagal Stimulation During Cryoballoon Ablation**
Thiago Guimarães Osório, Shuichiro Kazawa, Pedro Brugada, Gian-Battista Chierchia, Carlo De Asmundis
Heart Rhythm Management Center, Universitair Ziekenhuis Brussel-Vrije Universiteit Brussel, Belgium
- O39-5 Clinical Value of Induction after Cryoballoon Ablation for Paroxysmal Atrial Fibrillation**
Shun Sasaki, Nobuhiko Makino, Tomoaki Kobayashi, Naomi Mori, Yasuhiro Ichibori, Hitoshi Minamiguchi, Takaharu Hayashi, Atsushi Hirayama, Yoshiharu Higuchi
Osaka Police Hospital

Oral Presentation 40 Cryoballoon Ablation 2

Chairs Satoshi Higa (*Makiminato Chuo Hospital*)
Yukihiko Yoshida (*Japanese Red Cross Nagoya Daini Hospital*)

- O40-1 Different Characteristics of Pulmonary Vein Reconnections in the Cases with Cryoballoon at Repeat Ablation Comparing Those with Radiofrequency Ablation**
Shingen Owada
Iwate Medical University
- O40-2 演題は取り下げられました。**
- O40-3 Comparison of Cryoballoon Ablation and Radiofrequency Ablation in Japanese patients with Persistent Atrial Fibrillation and Left Atrial Enlargement**
Yoshio Takemoto¹, Junya Funabiki¹, Yuichiro Yamase¹, Chikara Ueyama¹, Toshimasa Shigeta¹, Hideki Horibe¹, Tsuyoshi Hibino¹, Taizo Kondo¹, Yasuya Inden², Toyoaki Murohara²
¹Gifu Prefectural Tajimi Hospital, ²Nagoya University

O40-4 Differences in the Durability of Pulmonary Vein Isolation for Patients Who Underwent Cryoballoon Ablation for Paroxysmal and Persistent Atrial Fibrillation

Yukihiro Inamura¹, Yohei Tamura¹, Gaku Narita¹, Hiroataka Yano¹, Giichi Nitta¹, Shunichi Kato¹, Toshikazu Kono¹, Takashi Ikenouchi¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Tomomasa Takamiya¹, Ken Negi¹, Akira Sato¹, Tsunehiro Yamato¹, Osamu Inaba¹, Yutaka Matsumura¹, Junichi Nitta², Tetsuo Sasano³
¹Japanese Red Cross Saitama Hospital, ²Sakakibara Heart Institute, ³Tokyo Medical and Dental University

O40-5 Clinical Evaluation of Left Atrial Posterior Wall Isolation with a Cryoballoon for Persistent Atrial Fibrillation: An Analysis of the Data Included in PIVOTAL Study

Takatoshi Shigeta¹, Masuteru Yamauchi¹, Atsuhito Oda¹, Shinichi Tachibana¹, Tatsuhiko Hirao¹, Rena Nakamura¹, Hiroshi Yoshida¹, Kaoru Okishige², Tetsuo Sasano³
¹Japan Red Cross Yokohama City Bay Hospital, ²Yokohama Minato Heart Clinic, ³Tokyo Medical and Dental University Hospital

Oral Presentation 41 Cryoballoon Ablation 3

Chairs Takehiko Keida (*Edogawa Hospital*)
Shinsuke Miyazaki (*Tokyo Medical and Dental University*)

O41-1 Clinical Impacts of Myocardial Injury After Pulmonary Vein Isolation: Comparison Among Radiofrequency, Cryo-Balloon and Laser Balloon Ablation

Makoto Sano, Tsuyoshi Urushida, Yutaro Kaneko, Tomoaki Sakakibara, Taro Narumi, Yoshihisa Naruse, Yuichiro Maekawa
Hamamatsu University School of Medicine

O41-2 演題は取り下げられました。

O41-3 Cardiac Autonomic Nervous System Modification by Conventional Cryoballoon Ablation in Patients with Paroxysmal Atrial Fibrillation

Shigetoshi Sakabe, Kenichi Maeno, Atsunobu Kasai
Ise Red Cross Hospital

O41-4 The Evaluation of the Left Atrial Roof Ablation Using the Cryoballoon Technique in Patients with Atrial Fibrillation

Fumito Miyoshi, Takahiro Furuya, Miwa Kikuchi, Kaoru Tanno
Showa University Koto Toyosu Hospital

O41-5 Efficacy and Safety of Radiofrequency Ablation and Cryoballoon Ablation in Octogenarian Patients with Atrial Fibrillation

Hidenori Hirano, Naoyuki Miwa, Tomoki Horie, Hiroaki Ohya, Satoshi Hara, Yasuaki Tsumagari, Yoshikazu Sato, Kazuya Yamao, Hideki Kusa, Hitoshi Hachiya, Yoshito Iesaka
Tsuchiura Kyodo General Hospital

Short Session 5 AF Ablation 4

Chairs Miyako Igarashi (*University of Tsukuba*)
Koichiro Ejima (*Tokyo Women's Medical Hospital*)

SHO5-1 Feasibility and Safety of Uninterrupted Dabigatran Regimen on the Day of Atrial Fibrillation Ablation for Patients with Chronic Kidney Disease

Nobutaka Masunaga¹, Yoshiyuki Kijima², Sen Matsumoto², Koichi Tachibana¹, Tohru Masuyama², Shiro Hoshida¹

¹Yao Municipal Hospital, ²Hoshigaoka Medical Center

SHO5-2 Predictors of Recurrence as Atrial Tachycardia After Catheter Ablation for Atrial Fibrillation

Naotaka Hashiguchi^{1,2}, Cheng-hung Chiang², Laura Rottner², Bruno Reissmann², Andreas Rillig², Tilman Maurer², Christine Lemes², Karl-heinz Kuck², Feifan Ouyang², Shibu Mathew²

¹Japanese Red Cross Narita Hospital, ²Asklepios Klinik St.Georg, Germany

SHO5-3 The Relation Among Left Atrial D-Dimer and Peripheral CRP Levels, and Left Ventricular Function in Patients with Atrial Fibrillation

Tetsuya Watanabe

Osaka General Medical Center

SHO5-4 Large Right Pulmonary Vein is a Predictor of Atrial Fibrillation Recurrence After Persistent Atrial Fibrillation Ablation

Takahiro Furuya

Showa University Koto Toyosu Hospital

SHO5-5 Efficacy of Zero Contrast Ablation Using Plain Three-Dimensional CT in Added Multipolar Mapping Catheter for the Patients with Atrial Fibrillation

Tadashi Hoshiyama

Kumamoto Chuo Hospital

SHO5-6 The Treatment Strategy of Catheter Ablation for Bi-Atrial Tachycardia After Substrate Modification Ablation in a Low Voltage Zone of the Left Atrial Anterior Wall

Tomoyuki Arai, Rintaro Hojo, Takafumi Sasaki, Ryo Takahashi, Yoshihiro Harano, Kosuke Takeda, Koichiro Yamaoka, Kohei Kawajiri, Sho Tanabe, Sayuri Tokioka, Takashi Kimura, Masao Takahashi, Takeshi Kitamura, Seiji Fukamizu

Tokyo Metropolitan Hiroo Hospital

SHO5-7 Femoral Vascular Complications After Catheter Ablation in the Current era: The Utility of Computed Tomography Imaging

Eri Ishikawa, Shinsuke Miyazaki, Moe Mukai, Daisetsu Aoyama, Minoru Nodera, Kanae Hasegawa, Mika Ooshima, Ryouhei Nomura, Koudai Hirano, Kousuke Miyahara, Akira Matsui, Yuuichirou Shiomi, Naoto Tama, Hiroyuki Ikeda, Yoshitomo Fukuoka, Kentarou Ishida, Hiroyasu Uzui, Hiroshi Tada

University of Fukui

Short Session 6 AF Ablation 5

Chairs Akihiro Yoshida (*Kita-Harima Medical Center*)
Takeshi Sasaki (*Disaster Medical Center*)

SHO6-1 Atrial Fibrillation with Partial Anomalous Pulmonary Venous Connection of the Right Superior Pulmonary Vein into the Superior Vena Cava

Shigeki Hiramatsu, Kazuya Kobayashi, Shuichi Kegai, Takaya Ozawa, Yasusuke Kinoshita, Hiroki Yamane, Yuetsu Kikuta, Katsumasa Sato, Masahito Taniguchi, Kenji Goto, Hideo Takebayashi, Seiichi Haruta

Fukuyama Cardiovascular Hospital

SHO6-2 First Clinical Experience of New CARTO3 Mapping Algorithms in the Catheter Ablation for Atrial Arrhythmias

Kimitaka Nishizaki, Masaomi Kimura, Taihei Itoh, Yuichi Toyama, Takahiko Kinjo, Daisuke Horiuchi, Noriyoshi Kaname, Shingo Sasaki, Hirofumi Tomita
Hirosaki University

SHO6-3 演題は取り下げられました。

SHO6-4 Single-Procedure Outcome of Selective Liner Ablation After Pulmonary Vein Isolation for Long-Standing Persistent Atrial Fibrillation

Yoshimi Onishi¹, Kosuke Yoshikawa¹, Ko Ogawa¹, Akinori Ochi¹, Taku Asano¹, Youichi Kobayashi², Toshio Shinke¹
¹Showa University, ²Showa University Hospital

SHO6-5 Autonomic Nervous Modulation Improves the Outcome of Persistent Atrial Fibrillation After Pulmonary Vein Isolation Using Second Generation Cryoballoon

Tomohiko Sakatani, Yosuke Kirii, Akiko Shiraga, Tomotaka Fujimoto, Takeru Kasahara, Makoto Ariyoshi, Daisuke Irie, Koji Isodono, Yoshinori Tsubakimoto, Akiko Matsuo, Keiji Inoue, Hiroshi Fujita
Japanese Red Cross Kyoto Daini Hospital

SHO6-6 Left Atrial Roof Cryo Balloon Ablation Does Not Impair The Electrical Conduction from Right Atrium to Left Atrial Appendage and Preserves Left Atrial Function

Junya Funabiki¹, Yoshio Takemoto¹, Yuichiro Yamase¹, Chikara Ueyama¹, Toshimasa Shigeta¹, Hideki Horibe¹, Tsuyoshi Hibino¹, Taizo Kondo¹, Yasuya Inden², Toyoaki Murohara²
¹Gifu Prefectural Tajimi Hospital, ²Nagoya University

SHO6-7 Additional Superior Vena Cava Isolation Strategy with RFCA Is Superior to a Pulmonary Vein Isolation only Strategy with Cryoballoon Ablation

Masahiro Sogo, Keisuke Okawa, Yuya Sudo, Ryu Tsushima, Satoshi Taya, Wataru Takagi, Satoko Ugawa, Tomoaki Okada, Kazumasa Nosaka, Masahiko Takahashi, Kosuke Sakane, Masayuki Doi
Kagawa Prefectural Central Hospital

Short Session 7 AF Ablation 6

Chairs Hidemori Hayashi (*Juntendo University Graduate School of Medicine*)
Yusuke Kondo (*Chiba University Graduate School of Medicine*)

SHO7-1 The Number of Electrodes Recorded Using a Spiral-Mapping Catheter During Cryoapplication in a Short Distal Tip Cryoballoon

Yuichiro Makino, Yoshiaki Mizutani, Daiki Yamashita, Akinori Satake, Masanari Kurobe, Koji Mizutani, Hitoshi Ichimiya, Yasuhiro Uchida, Junji Watanabe, Masaaki Kanashiro, Satoshi Ichimiya
Yokkaichi Municipal Hospital

SHO7-2 Differences in the Course of the Sinus Heart Rate After Atrial Fibrillation Ablation Between Cryoballoon and Radiofrequency Ablation

Hironori Sato¹, Koji Azegami¹, Takakatsu Yoshitake¹, Ryota Maeno¹, Sadahiro Hijikata¹, Satoshi Iwamiya¹, Kaoru Sakurai¹, Tetsuo Sasano²
¹Shin-Yurigaoka General Hospital, ²Tokyo Medical and Dental University

SHO7-3 Pulmonary Vein Isolation Using a Visually Guided Laser Balloon Catheter: A Single Center Clinical Experience

Shinji Ishikawa, Masahito Watarai, Kenji Takemoto, Masayoshi Koyasu, Yusuke Uemura, Takayuki Mitsuda, Masafumi Shimojo, Takeshi Adachi, Takashi Watanabe, Tsubasa Teraoka, Daigo Ueyama
Anjo Kosei Hospital

SHO7-4 Influence of Overlap Ratio and Total Energy on the Residual Gap Formation After Initial Circular Laser Balloon Ablation

Takahiko Nagase, Tatsuki Kamata, So Asano, Hiroshi Fukunaga, Kei Mabuchi, Kanki Inoue, Kohei Tanizaki, Junichi Nitta, Mitsuaki Isobe
Sakakibara Heart Institute

SHO7-5 Novel Optimal Cutoff Value of the Ablation Index for Paroxysmal Atrial Fibrillation Ablation with High Power - Short Duration Method

Osamu Inaba¹, Akira Sato¹, Yukihiro Inamura¹, Tomomasa Takamiya¹, Kazuya Murata¹, Takashi Ikenouchi¹, Toshikazu Kono¹, Giichi Nitta¹, Yohei Tamura¹, Gaku Narita¹, Hirotaka Yano¹, Shunichi Kato¹, Yasuaki Hada¹, Miki Kano¹, Ken Negi¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Junichi Nitta², Tetsuo Sasano³
¹Japanese Red Cross Saitama Hospital, ²Sakakibara Heart Institute, ³Tokyo Medical and Dental University

SHO7-6 Safety and Efficacy of Low Voltage Based Catheter Ablation for Persistent Atrial Fibrillation in Patients with Previous Cerebral Infarction

Keiichi Ashikaga, Kenji Morihisa, Yoshisato Shibata
Miyazaki Medical Association Hospital

SHO7-7 Impact of Radiofrequency Catheter Ablation for Persistent Atrial Fibrillation in Patients with Very Large Left Atrium

Kohei Ukita, Yasuyuki Egami, Akito Kawamura, Hitoshi Nakamura, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Akihiro Tanaka, Yasuharu Matsunaga, Masamichi Yano, Ryu Shutta, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital

Short Session 8 AF Ablation 7

Chair Kentaro Hayashi (*Ageo Central General Hospital*)

SHO8-1 演題は取り下げられました。

SHO8-2 Relationship Between Conversions of Left Atrial Activation Pattern During the Selective CFAE Ablation Using Optional Fractionation-Map Modules and Clinical Outcomes of Refractory Atrial Fibrillation

Masahiro Mizobuchi, Tomoki Yamashita, Junya Matsumoto, Tomoko Kobayashi, Shigeru Nakamura
Kyoto-Katsura Hospital

SHO8-3 The Evaluation of Atrial Tissue Heterogeneity Assessed by LGE-MRI and Novel Real-Time Phase Mapping System: ExTRa Mapping in Atrial Fibrillation Patients

Toshihiro Nakamura¹, Kunihiko Kiuchi¹, Koji Fukuzawa¹, Mitsuru Takami¹, Yoshiaki Watanabe¹, Yu Izawa¹, Hideya Suehiro¹, Tomomi Akita¹, Makoto Takemoto¹, Jun Sakai¹, Atsuke Yatomi¹, Yusuke Sonoda¹, Hiroyuki Takahara¹, Kazutaka Nakasone¹, Kyoko Yamamoto¹, Noriyuki Negi², Katsusuke Kyotani², Atsushi Kono¹, Ken-ichi Hirata¹, Takashi Ashihara³
¹Kobe University Graduate School of Medicine, ²Kobe University Hospital, ³Shiga University of Medical Science

SHO8-4 Non-thoracic Vein Trigger Ablation in Atrial Fibrillation Using High Density Grid Catheter: A Closer Mapping, a Better Outcome

Rena Nakamura¹, Atsuhito Oda¹, Shinichi Tachibana¹, Takatoshi Shigeta¹, Tatsuhiko Hirao¹, Yuji Yoshida¹, Kaoru Okishige¹, Yasuteru Yamauchi¹, Tetsuo Sasano²
¹Japan Red Cross Yokohama City Bay Hospital, ²Tokyo Medical and Dental University

SHO8-5 Electro Anatomical Defragmentation Decreased Non-Passively Activated Ratio in Real-Time Phase Mapping in Patients with Persistent Atrial Fibrillation

Yutaka Take, Kohki Kimura, Wataru Sasaki, Yumiko Haraguchi, Yoshinori Okazaki, Shingo Yoshimura, Shohei Kishi, Takehito Sasaki, Kentaro Minami, Yuko Miki, Koji Goto, Kenichi Kaseno, Kohki Nakamura, Shigeto Naito
Gunma Prefectural Cardiovascular Center

SHO8-6 The Efficacy of Catheter Ablation to Hemodialysis Patients with Atrial Fibrillation

Shinji Kaneko, Ryota Ito, Yoshinori Shirai, Kentaro Adachi, Hitomi Hori, Tomoaki Haga, Yousuke Tatami, Masaya Fujita, Taiki Ohashi, Ryuuji Kubota, Msanori Shinoda
Toyota Kosei Hospital

Short Session 9 Mapping

Chairs **Kojiro Tanimoto** (*Tokyo Medical Center*)
Koichi Nagashima (*Nihon University School of Medicine*)

SHO9-1 Quantitative Analysis of the Distribution and Total Surface Area of Electrograms Showing Spatiotemporal Dispersion in Patients Undergoing Catheter Ablation for Atrial Fibrillation of Varying Durations

Hiroshi Kato, Dai Miyanaga, Takuya Goto
Fukui Kosei Hospital

SHO9-2 Usefulness of Three-Dimensional High Density Mapping for Detection of Pseudo-Block of Cavo-Tricuspid Isthmus in the Patients with Common Atrial Flutter

Masayuki Hattori, Miyako Igarashi, Satoshi Shimoo, Noboru Ichihara, Chihiro Ota, Akira Kimata, Yuuki Komatsu, Takeshi Machino, Hiro Yamasaki, Akihiko Nogami, Kazutaka Aonuma, Masaki Ieda
Faculty of Medicine, University of Tsukuba

SHO9-3 演題は取り下げられました。

SHO9-4 The Last Remaining Earliest Pulmonary Vein Potential Just Before Pulmonary Vein Isolation During Cryoballoon Ablation Predicts the Conduction Gap Site of the Pulmonary Vein

Yoshiaki Mizutani
Yokkaichi Municipal Hospital

SHO9-5 The Lower Left Atrial Mean Voltage, The Longer Slow Conduction Zone: an Analysis Using HD Grid Mapping Catheter in Atrial Fibrillation Patients

Kana Nakashima, Takanori Yamaguchi, Mai Tahara, Toyokazu Otsubo, Koichi Node
Saga University

SHO9-6 演題は取り下げられました。

SHO9-7 Utility of A New HD Coloring Propagation Map and Early Meets Late During Catheter Ablation of Atrial Fibrillation

Shingo Maeda¹, Fusae Doi¹, Tomokazu Chijimi¹, Yasuhide Tsuda¹, Mihoko Kawabata¹, Hirotsugu Atarashi², Kenzo Hirao¹
¹*AOI Universal Hospital*, ²*Minami-Hachioji Hospital*

Oral Presentation 42 Substrate Ablation 1

Chairs Kohei Yamashiro (*Takatsuki Hospital*)
Masatsugu Ohe (*Kurume University School of Medicine*)

- O42-1 Relationship of Spatiotemporal Electrogram Dispersion to Complex Fractionated Electrogram or Low Voltage Areas as Locations of Non-Paroxysmal Atrial Fibrillation Drivers**
Kensuke Sakata^{1,2}, Tomomi Tanaka¹, Kohei Yamashiro¹
¹Takatsuki General Hospital, ²Shiga University of Medical Science
- O42-2 Catheter Ablation of Ganglionated Plexi in Patients with Adenosine Triphosphate Induced Atrial Fibrillation After Pulmonary Vein Isolation**
Taku Nishida¹, Akihiro Takitsume², Kaeko Hirai³, Junichi Sugiura¹, Ayaka Keshi¹, Koshiro Kanaoka¹, Hiroki Yano¹, Yukihiro Hashimoto¹, Tomoya Ueda¹, Hitoshi Nakagawa¹, Kenji Onoue¹, Tsunenari Soeda¹, Makoto Watanabe¹, Rika Kawakami¹, Yoshihiko Saito¹
¹Nara Medical University, ²Nara Prefecture General Medical Center, ³Nara Prefecture Western Medical Center
- O42-3 The Effect of Spatiotemporal Electrogram Dispersion Ablation Compared with Cardiac Autonomic Modification for Non-Paroxysmal Atrial Fibrillation**
Kensuke Sakata^{1,2}, Tomomi Tanaka¹, Kohei Yamashiro¹
¹Takatsuki General Hospital, ²Shiga University of Medical Science
- O42-4 Atrial Remodeling Following Spatiotemporal Electrogram Dispersion Ablation for Non-Paroxysmal Atrial Fibrillation; One-Year Follow-Up Study**
Dai Miyanaga, Hiroshi Kato, Takuya Goto
Fukui Kosei Hospital
- O42-5 The New Technology in the Identification of Complex Fractionated Atrial Electrograms Region in Persistent Atrial Fibrillation: The Usefulness of HD Grid Catheter**
Hisanori Kanazawa¹, Tadashi Hoshiyama¹, Miwa Ito², Yusei Kawahara², Kenichi Tsujita²
¹Kumamoto University Hospital, ²Kumamoto University

Oral Presentation 43 Substrate Ablation 2

Chairs Takashi Ashihara (*Shiga University of Medical Science*)
Masahide Harada (*Fujita Health University*)

- O43-1 演題は取り下げられました。**
- O43-2 Non-Uniform Distribution of Rotors in Non-PAF Patients Analyzed by the Online Realtime Phase Mapping System: ExTRa Mapping Project**
Yusuke Okuyama, Tomoya Ozawa, Takuma Nishikawa, Yusuke Fujii, Koichi Kato, Yoshihisa Sugimoto, Yoshihisa Nakagawa, Takashi Ashihara
Shiga University of Medical Science
- O43-3 The Strategy of ExTRa Mapping-Guided Minimal Ablation Should Be Determined by the Size of Left Atrium: ExTRa Mapping Project**
Kensuke Sakata^{1,2}, Yusuke Okuyama¹, Tomoya Ozawa¹, Yusuke Fujii¹, Koichi Kato¹, Ryo Haraguchi³, Shin Inada⁴, Kazuo Nakazawa⁴, Yoshihisa Sugimoto¹, Kohei Yamashiro², Yoshihisa Nakagawa¹, Takashi Ashihara¹
¹Shiga University of Medical Science, ²Takatsuki General Hospital, ³University of Hyogo, ⁴Morinomiya University of Medical Sciences

O43-4 Evaluation of Arrhythmogenic Foci Using a Novel Automated Detection Algorithm and Isoproterenol in Persistent Atrial Fibrillation

Yusuke Sakamoto, Hiroyuki Osanai, Yuki Tanaka, Shotaro Hiramatsu, Hikari Matsumoto, Kensuke Tagahara, Hirota Hosono, Shun Miyamoto, Hiroto Uno, Shun Kondo, Teruhiro Sakaguchi, Takahiro Kanbara, Yoshihito Nakashima, Hiroshi Asano, Masayoshi Ajioka

Tosei General Hospital

O43-5 Impact of Pulmonary Vein Isolation Guided by Complex Fractionated Atrial Electrograms (CFAE-guided PVI) on Atrial Fibrillation Drivers by ExTRa Mapping

Tomomi Akita, Akihiro Yoshida, Kojiro Awano, Shinichiro Yamada, Kaoru Takami, Toru Tagashira, Shigeyasu Tsuda, Daisuke Terashita, Hiroki Takada, Shota Naniwa, Ken Takata, Takahiro Kunigita, Kimi Nishijo

Kita-Harima Medical Center

Oral Presentation 44 HPSD Ablation

Chairs junjiro Koyama (*Saiseikai Kumamoto Hospital*)

Masaomi Kimura (*Hirosaki University Graduate School of Medicine*)

O44-1 In vivo, Tissue Temperature Assessment During High-Power Short-Duration Ablation vs. Standard Setting Ablation

Naoto Otsuka, Yasuo Okumura, Koichi Nagashima, Ryuta Watanabe, Masaru Arai, Yuji Wakamatsu, Seina Yagyu, Satoshi Hayashida, Sayaka Kurokawa, Toshiko Nakai

Nihon University School of Medicine Itabashi Hospital

O44-2 Comparison of High Power and Standard Power Radiofrequency Energy Deliveries in Pulmonary Vein Isolation Using Unipolar Signal Modification as a Local Endpoint

Koichiro Ejima, Satoshi Higuchi, Kyoichiro Yazaki, Shohei Kataoka, Daigo Yagishita, Miwa Kanai, Morio Shoda, Nobuhisa Hagiwara

Tokyo Women's Medical University

O44-3 Filtered Unipolar EGM Morphology Change in Transmural Lesions During High-Power, Short-Duration Ablation vs. Standard-Power Ablation of Atrial Fibrillation

Sayaka Kurokawa, Koichi Nagashima, Kazuki Iso, Ryuta Watanabe, Yuji Wakamatsu, Naoto Otsuka, Satoshi Hayashida, Seina Yagyu, Toshiko Nakai, Yasuo Okumura

Nihon University School of Medicine

O44-4 Lesion Size Index Using a High-Power Short-Duration for Atrial Fibrillation Ablation

Masaaki Kurata¹, Taku Asano¹, Hiroshi Mase², Yuya Nakamura¹, Daisuke Wakatsuki¹, Fuyuki Asano², Hiroshi Suzuki¹

¹Showa University Fujigaoka Hospital, ²Fujiyoshida City Hospital

O44-5 The Feasibility and Safety of High-Power and Short-Duration Ablation for Pulmonary Vein Isolation in Patients with Atrial Fibrillation

Naoko Hijioka, Masashi Kamioka, Kazuaki Amami, Shinya Yamada, Takashi Kaneshiro, Yasuchika Takeishi

Fukushima Medical University

Oral Presentation 45 LVZ 1

Chairs Yoshimasa Murakami (*Nagoya City University East Medical Center*)

Siro Nakahara (*Dokkyo Medical University Saitama Medical Center*)

O45-1 The Development of Left Atrial Low Voltage Area Relates Coronary Artery Calcification in Patients with Atrial Fibrillation

Rintaro Hojo¹, Shihoko Tsujihata¹, Kosuke Takeda¹, Koichiro Yamaoka¹, Shin Nakamura¹, Tomoyuki Arai¹,

Sho Tanabe¹, Kohei Kawajiri¹, Sayuri Tokioka¹, Yasuki Koyano¹, Dai Inagaki¹, Takeshi Kitamura¹,
Seiji Fukamizu¹, Harumizu Sakurada²

¹Metropolitan Hiroo Hospital, ²Tokyo Metropolitan Health and Medical Treatment Corporation Ohkubo Hospital

O45-2 Left Atrial Dyssynchrony Predicts the Existence of Low-Voltage Zone in Patients with Atrial Fibrillation

Yuya Takahashi¹, Takanori Yamaguchi², Tomohiko Watanabe¹, Takayuki Kitai¹, Koichi Node², Tsutomu Fujita¹
¹Sapporo Cardio Vascular Clinic, ²Saga University

O45-3 Why is Left Atrial Fibrotic Remodeling More Frequently Identified in Female Patients with Atrial Fibrillation?

Kana Nakashima, Takanori Yamaguchi, Mai Tahara, Toyokazu Otsubo, Koichi Node
Saga University

O45-4 Relationship Between Slow Conduction Zones and Low Voltage Zones in Patients with Atrial Fibrillation

Toyokazu Otsubo, Takanori Yamaguchi, Kana Nakashima, Mai Tahara, Koichi Node
Saga University

O45-5 Longer Slow Conduction Zones Are More Strongly Related to Low Voltage Zones: an Analysis Using HD Grid Mapping Catheter in Atrial Fibrillation Patients

Toyokazu Otsubo, Takanori Yamaguchi, Kana Nakashima, Mai Tahara, Koichi Node
Saga University

Oral Presentation 46 LVZ 2

Chairs Koji Kumagai (Tohoku Medical and Pharmaceutical University)
Yasushi Mukai (Japanese Red Cross Fukuoka Hospital)

O46-1 Extensive Left Atrial Low-Voltage Areas During Initial Ablation Procedures Were Associated with Poor Clinical Outcomes in Spite of Multiple Procedures

Takashi Kanda, Masaharu Masuda, Takuya Tsujimura, Yasuhiro Matsuda, Hiroyuki Uematsu, Mitsutoshi Asai,
Toshiaki Mano
Kansai Rosai Hospital

O46-2 Does Low Voltage Zone Represent Locally Progressed Fibrosis?: An Analysis Using the HD Grid Mapping Catheter in Atrial Fibrillation Patients

Takanori Yamaguchi, Kana Nakashima, Mai Tahara, Toyokazu Otsubo, Koichi Node
Saga University

O46-3 Border Zones of Left Atrial Low-Voltage Area Affects the Recurrence After Catheter Ablation for Persistent Atrial Fibrillation

Nobutaka Kato¹, Kiko Akiyoshi¹, Hirotaka Muramoto¹, Koji Higuchi¹, Takayuki Ohnishi¹, Isshi Kobayashi¹,
Yuko Onishi¹, Yasuhiro Satoh¹, Masahiko Goya², Tetsuo Sasano³

¹Hiratsuka Kyosai Hospital, ²Heart Rhythm Center, Tokyo Medical and Dental University, ³Tokyo Medical and Dental University

O46-4 Serum Interleukin-17A/Interferon-Gamma Ratio As a Predictor for the Severity of Atrial Low Voltage in Atrial Fibrillation: From FIB-MARK Study

Tetsuma Kawaji^{1,2}, Koh Ono², Takanori Aizawa², Masashi Kato¹, Takafumi Yokomatsu¹, Shinji Miki¹,
Takeshi Kimura²

¹Mitsubishi Kyoto Hospital, ²Kyoto University Graduate School of Medicine

O46-5 Comparison of High-Density Grid Catheter and Conventional Double-Loop Catheter in Left Atrial Voltage Mapping During Catheter Ablation for Paroxysmal Atrial Fibrillation

Kikou Akiyoshi¹, Nobutaka Kato¹, Hirotaka Muramoto¹, Yuki Odanaka¹, Koki Takekawa¹, Keiko Araki¹, Kuniaki Nakano¹, Takayuki Ohnishi¹, Issi Kobayashi¹, Yuko Ohnishi¹, Yasuhiro Sato¹, Masahiko Goya², Tetsuo Sasano²

¹Hiratsuka Kyosai Hospital, ²Tokyo Medical and Dental University

Oral Presentation 47 LVZ 3

Chairs Kaoru Tanno (*Showa University Koto Toyosu Hospital*)

Takanori Yamaguchi (*Saga Medical School Faculty of Medicine, Saga University*)

O47-1 Is Left Atrial Enlargement Related to the Extent of Low Voltage Area?

Shunsuke Kawai¹, Kazuhiro Nagaoka², Susumu Takase², Kazuo Sakamoto², Hiroshi Ikuta¹, Takayuki Toyohara¹, Arihide Okahara¹, Masaki Tokutome¹, Hirohide Matsuura¹, Ryuichi Matsukawa¹, Seigo Masuda¹, Akiko Chishaki³, Hiroyuki Tsutsui², Yasushi Mukai¹

¹Japanese Red Cross Fukuoka Hospital, ²Kyushu University Graduate School of Medical Sciences, ³Faculty of Medical Sciences, Kyushu University

O47-2 Ablation to Rotor on Overlapping Area Between Low-Voltage Border and CFAE Lesion Provides Better Preventive Outcome for Non-Paroxysmal Atrial Fibrillation Fibrillation

Norishige Morita, Takayuki Iida, Tomihisa Nanao, Daisuke Fujibayashi, Akira Ueno, Yoshinori Kobayashi
Tokai University Hachioji Hospital

O47-3 Left Atrial Function Predicts the Presence of Low Voltage Zone in Patients Undergoing Paroxysmal Atrial Fibrillation Ablation

Takafumi Oka, Issei Yoshimoto, Koji Tanaka, Yuko Hirao, Nobuaki Tanaka, Masato Okada, Ryo Kitagaki, Yasushi Koyama, Atsunori Koyama, Katsuomi Iwakura, Kenshi Fujii, Koichi Inoue
Sakurabashi Watanabe Hospital

O47-4 Relationship Between Left Atrial Strain and Left Atrial Bipolar Voltage in Patients Undergoing Catheter Ablation for Atrial Fibrillation

Yuya Takahashi¹, Takanori Yamaguchi², Tomohiko Watanabe¹, Takayuki Kitai¹, Koichi Node², Tsutomu Fujita¹
¹Sapporo Cardio Vascular Clinic, ²Saga University

O47-5 Association Between Active/Passive Ablation of the Left Atrial Low-Voltage Areas in Pulmonary Vein Isolation and the Induction and Recurrence of Atrial Tachycardia

Koichiro Sonoda
Sasebo City General Hospital

第8会場 (WEB配信)

メディカルプロフェSSIONナル口述演題 10

座長 小川 正浩 (福岡大学病院循環器内科・臨床検査部)
菅 令子 (鳥取県立中央病院看護局)

MPO10-1 心房細動発症に関連する因子：30年間の成人健診結果より

小澤 あい¹, 稲田 慶一¹, 永澤 英孝¹, 磯谷 亮太², 徳竹 賢一³, 加藤 美香³, 鳴井 亮介³,
谷川 真一³, 山下 省吾³, 徳田 道史³, 松尾 征一郎², 横山 賢一³

¹永沢クリニック, ²東京慈恵会医科大学葛飾医療センター循環器内科, ³東京慈恵会医科大学附属病院循環器内科

MPO10-2 完全皮下植込み型除細動器と経静脈植込み型除細動器植込み患者のメンタルケア介入の現状調査

長町 千里¹, 前川 順子¹, 富樫 秋奈¹, 井上 完起⁴, 高田 まり子¹, 前田 友未³, 木村 淳子³,
辻 孝子³, 間淵 圭⁴, 辺 泰樹², 新田 順一⁴, 吉川 勉², 梅村 純⁴, 磯部 光章⁴

¹榊原記念クリニック看護部, ²榊原記念クリニック循環器内科, ³榊原記念病院看護部, ⁴榊原記念病院循環器内科

MPO10-3 植込み型除細動によるICD作動と不安や抑うつとの関係を検討する：DEF-Chiba IIの研究結果から

鳴海 頌子¹, 近藤 祐介², 中野 正博¹, 梶山 貴嗣¹, 宮澤 一雄², 仲野 美代², 伊藤 竜², 高平 青洋²,
北川 真理², 菅原 暢文², 千葉 俊典², 小野 仁³, 細谷 裕一³, 小林 欣夫²

¹千葉大学大学院医学研究院不整脈先端治療学, ²千葉大学大学院医学研究院循環器内科学, ³千葉大学医学部附属病院臨床工学センター

MPO10-4 26病院における心房細動アブレーション術後病診連携クリティカルパス導入の取り組み

小澤 あい¹, 稲田 慶一¹, 永澤 英孝¹, 磯谷 亮太², 徳竹 賢一³, 鳴井 亮介³, 加藤 美香³,
横山 賢一³, 谷川 真一², 山下 省吾³, 徳田 道史³, 松尾 征一郎²

¹永沢クリニック, ²東京慈恵会医科大学葛飾医療センター循環器内科, ³東京慈恵会医科大学附属病院循環器内科

MPO10-5 開業医における不整脈診療の重要性：診療看護師による不整脈診療を通して

船津 由美子
船津内科医院

メディカルプロフェSSIONナル口述演題 11

座長 網野 真理 (東海大学循環器内科)
前田 明子 (杏林大学医学部)

MPO11-1 心不全に対する看護師による遠隔モニタリングシステムを活用した電話介入の効果

寺崎 義貴¹, 金井 利沙¹, 平山 和枝¹, 保谷 洋貴², 筒井 健太², 池田 礼史², 加藤 律史²,
横山 慎二³, 武田 智徳⁴

¹埼玉医科大学国際医療センター心臓病脳卒中センター外来, ²埼玉医科大学国際医療センター心臓内科不整脈科, ³埼玉医科大学国際医療センターMEサービス部, ⁴埼玉医科大学国際医療センターリハビリテーション室

MPO11-2 遠隔モニタリングデータ未受診患者への看護師介入意義の検討

鈴木 まどか¹, 林 英守¹, 大澤 翔太², 木村 友紀¹, 田淵 晴名¹, 関田 学¹, 南野 徹¹

¹順天堂大学医学部循環器内科学講座, ²順天堂大学医学部附属順天堂医院臨床工学室

MPO11-3 ジェネレータ交換前後にペーシングレート依存性に心房刺激閾値の変動現象を起こした洞不全症候群の1例

長見 英治¹, 渡邊 寛²

¹取手北相馬保健医療センター医師会病院ME室, ²取手北相馬保健医療センター医師会病院循環器科

MPO11-4 不整脈診療における診療看護師(NP)によるタスクシフティングの現状

長澤 領¹, 佐々木 毅¹, 齊藤 洋子¹, 三宅 直樹², 秋元 耕¹, 早坂 和人¹, 戸舎 稚司¹, 鈴木 雅仁¹, 杉山 浩二¹, 清水 茂雄¹

¹災害医療センター循環器内科, ²災害医療センター臨床工学科

MPO11-5 クライオアブレーションにおける適切な鎮痛優先の鎮静:Analgo-sedation

杉原 瑠美¹, 雑賀 真也¹, 林 佑樹¹, 福村 健太¹, 松上 紘生¹, 南 ゆかり^{1,4,5}, 稲垣 喜三^{1,4}, 三明 淳一朗³, 小倉 一能², 加藤 克², 岡村 昌宏², 辻本 大起², 友森 匠也², 高見 亜衣子², 加藤 雅彦², 山本 一博²

¹鳥取大学医学部附属病院MEセンター, ²鳥取大学医学部附属病院循環器内科, ³鳥取大学医学部附属病院薬理学・薬物療法学分野, ⁴鳥取大学医学部附属病院麻酔科, ⁵鳥取大学医学部附属病院高次集中治療部

メディカルプロフェッショナル口述演題 12

座長 渡辺 智美 (市立秋田総合病院臨床検査科)
フラナガン 洋子 (京都大学医学部附属病院検査部)

MPO12-1 心電図導出追加誘導に関する研究：実波形と導出波形の一致度の検討

山本 誠一

岡村一心堂病院臨床検査室

MPO12-2 小型1ch心電計による不整脈診断に必要な条件の基礎的検討

濱田 里美¹, 佐々木 奏絵², 青柳 栄子¹, 市村 直也¹, 東田 修二¹, 笹野 哲郎²

¹東京医科歯科大学医学部附属病院検査部, ²東京医科歯科大学大学院医歯学総合研究科循環制御内科学

MPO12-3 短時間のRRI分布からShannon-Entropyを利用して心房細動を鑑別する方法

松井 太志¹, 篠崎 亮¹, 相澤 義房²

¹ユニオンツール株式会社, ²立川総合病院循環器内科

MPO12-4 解析困難な心電図を呈した1症例

山崎 正之

大阪府済生会中津病院検査技術部

MPO12-5 変行伝導を伴う房室結節回帰性頻拍を植込み型心臓モニター (ICM)で診断した1例

大隅 佑介¹, 鈴木 隼人¹, 宮下 祐司¹, 貝阿彌 知¹, 愛知 正嗣¹, 下田 絢子¹, 宮島 佳祐², 漆田 毅³, 前川 裕一郎³

¹聖隷三方原病院CE室, ²聖隷三方原病院循環器科, ³浜松医科大学第三内科

メディカルプロフェッショナル口述演題 13

座長 清水 昭彦 (宇部興産中央病院)
前川 正樹 (大浜第一病院診療技術部臨床工学科)

MPO13-1 当院アブレーションにおけるZero-Gravity®の使用経験：放射線被ばく軽減の取り組み

栗原 英宣¹, 佐藤 公洋², 北原 吹雪¹, 久田 政一郎¹, 西尾 皓人¹, 岡本 隆嗣¹, 奥田 泰三¹, 竹谷 昌直², 松本 晃典²

¹名古屋ハートセンター臨床工学科, ²名古屋ハートセンター循環器内科

MPO13-2 当院の肺静脈隔離術：PVIにおけるプロポフォルとフェンタニルでの鎮静鎮痛管理

高松 幸子¹, 松本 健佑², 橘 元見², 伴場 主一²

¹心臓病センター榭原病院カテーテル室, ²心臓病センター榭原病院循環器内科

MPO13-3 繰り返す失神発作に対してILRを植込み, RMSにて発作性房室ブロックを認め, さらに入院中に心停止をきたした1例

小倉 健

千葉労災病院臨床工学部

MPO13-4 ICDのVT診断におけるピットフォール：遠隔モニタリングシステムで検出されたVT Zone付近の頻拍周期をもつVT3例の検討

加茂 嗣典¹, 佐野 誠³, 中村 元春¹, 瀧山 弘也¹, 伊藤 裕美¹, 水口 智明¹, 金子 裕太郎³, 榭原 智晶³, 成味 太郎³, 成瀬 代士久³, 漆田 毅³, 中島 芳樹^{1,2}, 前川 裕一郎³

¹浜松医科大学医学部附属病院医療機器管理部, ²浜松医科大学医学部附属病院麻酔科蘇生科, ³浜松医科大学医学部附属病院循環器内科

MPO13-5 S-ICD電池早期消耗における遠隔モニタリングの検討

佐川 竜馬¹, 別所 郁夫¹, 後藤 隼人¹, 高梨 隼一¹, 中村 啓二郎², 榎本 善成², 浅見 雅子², 佐原 尚彦², 豊田 康豪², 中村 正人²

¹東邦大学医療センター大橋病院臨床工学部, ²東邦大学医療センター大橋病院循環器内科

メディカルプロフェSSIONナル口述演題 14

座長 八島 正明 (日本医科大学内科学 (循環器内科学))
縮 恭一 (筑波大学附属病院医療機器管理センター)

MPO14-1 冠静脈洞遠位部Pacing中にPacingの捕捉範囲が変化し一時的にポイントが取得できなくなったRhythmia Mapping System使用の1例

久田 政一郎¹, 佐藤 公洋², 西尾 皓人¹, 岡本 隆嗣¹, 奥田 泰三¹, 松本 晃典², 竹谷 昌直²

¹名古屋ハートセンター臨床工学科, ²名古屋ハートセンター循環器内科

MPO14-2 不安定狭心症に合併したVF Stormに対しカテーテルアブレーションが奏効した1例

岡田 拓也¹, 山崎 隆利¹, 鈴木 宏太¹, 田村 隆始¹, 根本 貴史¹, 森田 純次², 北井 敬之²

¹札幌心臓血管クリニック診療技術部臨床工学科, ²札幌心臓血管クリニック循環器内科

MPO14-3 日本光電社製ポリグラフRMC5000における高出力ペーシングに伴う体表心電図波形の低電位化現象の実験的検証

富沢 直樹¹, 佐藤 明², 高野 寿一², 池ノ内 孝², 村田 和也², 高宮 智正², 稲村 幸洋², 稲葉 理²

¹さいたま赤十字病院臨床工学技術課, ²さいたま赤十字病院循環器科

MPO14-4 TactiCathを用いたLSI指標による肺静脈隔離術における焼灼部狭窄に関する検討

野村 起¹, 吉田 明弘², 高見 薫², 白石 大輔¹, 野澤 朋寛¹, 石畑 貴道¹, 栗野 孝次郎²

¹北播磨総合医療センター臨床工学室, ²北播磨総合医療センター循環器内科

MPO14-5 CARTOを用いた体幹部定位放射線治療計画作成

那須 敏裕¹, 猫宮 伸佳¹, 板坂 竜¹, 富田 崇嗣¹, 前中 則武¹, 進藤 尚樹¹, 眞船 翔², 中田 健生², 池田 光², 鳥羽 真弘³, 横式 尚司³

¹市立札幌病院臨床工学科, ²市立札幌病院放射線治療科, ³市立札幌病院循環器内科

座長 山本 哲平 (日本医科大学付属病院)
藤下 卓己 (大分循環器病院臨床工学部)

MPO15-1 Pattern Matchingによる波形認識と, SOUND STARによる心腔内構造物描出が治療に奏功した発作性心房頻拍の1例

佐々木 健吾¹, 佐藤 裕太¹, 木下 黎¹, 中野 康太郎¹, 鈴木 雄太¹, 菅野 博童¹, 杉本 寛之¹,
會田 広和¹, 菊地 昭二¹, 林 秀華², 諸沢 薦², 長谷部 雄飛², 相澤 健太郎², 中野 誠², 下川 宏明²
¹東北大学病院診療技術部臨床工学部門, ²東北大学循環器内科

MPO15-2 ICD植込み患者での頻拍停止を成し得なかったAnti Tachycardia PacingからVT起源は推測可能か

杉本 寛之¹, 佐藤 裕太¹, 木下 黎¹, 中野 康太郎¹, 鈴木 雄太¹, 菅野 博童¹, 佐々木 健吾¹,
會田 広和¹, 菊地 昭二¹, 福田 浩二³, 林 秀華², 諸沢 薦², 長谷部 雄飛², 相澤 健太郎²,
中野 誠², 下川 宏明²
¹東北大学病院診療技術部臨床工学部門, ²東北大学病院循環器内科, ³国際医療福祉大学病院循環器内科

MPO15-3 Carto3 Ver6を用いた上大静脈隔離法

大庭 光三郎¹, 森久 健二², 足利 敬一²
¹宮崎市郡医師会病院臨床工学室, ²宮崎市郡医師会病院循環器内科

MPO15-4 慢性心房細動患者のVT Ablationにおいて, CARTO®「Pattern Matching®」機能の変法が有用だった1例

重田 佳樹, 澤岡 祐太
九州医療センター MEセンター

MPO15-5 Hot Balloon Ablationにおいて,肺静脈の形態と肺静脈隔離成功の関連性の検討

山田 春海¹, 幕田 奈央¹, 原田 竜也¹, 高野 寛之¹, 比嘉 諒太¹, 大和田 三起¹, 林 千城¹, 林 常夫¹,
浅野 奏², 間淵 圭², 福永 寛², 長瀬 宇彦², 井上 完起², 谷崎 剛平², 新田 順一², 梅村 純²,
磯部 光章²
¹榊原記念病院臨床工学科, ²榊原記念病院循環器内科

Oral Presentation 48 AF Ablation 1

Chairs Itsuro Morishima (*Ogaki Municipal Hospital*)
Michifumi Tokuda (*The Jikei University Katsushika Medical Center*)

- O48-1 Ultrasound-Guided Sheath Insertion for Zero-Fluoroscopy Ablation**
Toru Kawakami, Naoki Saitou, Kei Yamamoto, Shinya Wada, Yuka Tanizaki, Yasuhiro Ono, Houjou Sasaki, Tomo Ando, Hideo Takahashi, Kei Hatori, Takayuki Onishi, Hiroshi Fukunaga, Tetsuya Tobaru
Kawasaki Saiwai Hospital
- O48-2 Prognostic Value of Cardiac Sympathetic Nerve Activity and Thyroid Stimulating Hormone in Paroxysmal Atrial Fibrillation with Catheter Ablation**
Masato Kawasaki, Takahisa Yamada, Tetsuya Watanabe, Yoshio Furukawa, Shunsuke Tamaki, Masatake Fukunami
Osaka General Medical Center
- O48-3 Effect of Catheter Ablation for Atrial Fibrillation on Renal 123 Iodine-Metaiodobenzylguanidine Scintigraphy Washout Rate**
Yoshitaka Okabe, Takahiro Saeki, Satoru Sakagami
Kanazawa Medical Center
- O48-4 Intra-Procedural Changes of Left Atrial Pressure During Catheter Ablation for Atrial Fibrillation**
Kosuke Nakasuka, Shuichi Kitada, Yu Kawada, Yasuhiro Shintani, Marina Kato, Kento Mori, Shohei Kikuchi, Toshihiko Goto, Yoshihiro Seo, Nobuyuki Ohte
Nagoya City University
- O48-5 Left Atrial Functional and Structural Reverse Remodeling in Patients Undergoing Catheter Ablation for Atrial Fibrillation**
Yuya Takahashi¹, Takanori Yamaguchi², Tomohiko Watanabe¹, Takayuki Kitai¹, Koichi Node², Tsutomu Fujita¹
¹Sapporo Cardio Vascular Clinic, ²Saga University

Oral Presentation 49 AF Ablation 2

Chairs Yasuya Inden (*Nagoya University Graduate School of Medicine*)
Hiroya Mizuno (*Osaka University*)

- O49-1 How to Educate Catheter Ablation Procedure of Atrial Fibrillation in The Era of 3D Mapping System**
Takayuki Kitai, Yuya Takahashi
Sapporo Cardio Vascular Clinic
- O49-2 Early Improvement of Daily Physical Activity After Catheter Ablation for Atrial Fibrillation in an Accelerometer Assessment: A Prospective Pilot Study**
Satoshi Yanagisawa, Yasuya Inden, Aya Fujii, Yusuke Sakamoto, Toshiro Tomomatsu, Keita Mamiya, Hiroya Okamoto, Toyoaki Murohara, Rei Shibata
Nagoya University Graduate School of Medicine
- O49-3 演題は取り下げられました。**

O49-4 Outcome of Catheter Ablation for Atrial Fibrillation in Adults with Atrial Septal Defect

Suguru Nishiuchi, Maiko Kuroda, Takeshi Harita, Yukihiro Hamaguchi, Maki Hamasaki, Hidenori Kojima, Hibiki Mima, Seita Yamasaki, Yuki Obayashi, Hiroki Okamoto, Akinori Tamura, Jiro Sakamoto, Yodo Tamaki, Soichiro Enomoto, Makoto Miyake, Hirokazu Kondo, Toshihiro Tamura

Tenri Hospital

O49-5 演題は取り下げられました。

Oral Presentation 50 AF Ablation 3

Chairs Kazuhiro Satomi (Tokyo Medical University Hospital)
Seiji Fukamizu (Tokyo Metropolitan Hiroo Hospital)

O50-1 Progression Rate from Paroxysmal into Persistent Atrial Fibrillation After Catheter Ablation for Persistent Atrial Fibrillation

Shunichi Asano, Keita Masuda, Tomomi Ueda, Kohei Honda, Tatsuro Shoji, Yuto Iioka, Shinya Kowase, Jun Osada

Yokohama Rosai Hospital

O50-2 Cryothermal Atrial Linear Ablation in Patients with Atrial Fibrillation

Moe Mukai, Shinsuke Miyazaki, Kanae Hasegawa, Eri Ishikawa, Daisetsu Aoyama, Minoru Nodera, Mika Oshima, Ryohe Nomura, Kodai Hirano, Kosuke Miyahara, Akira Matsui, Yuichiro Shiomi, Naoto Tama

University of Fukui Hospital

O50-3 Post-Ablation High Sinus Heart Rate is Associated with a Lower Clinical Recurrence in Persistent Atrial Fibrillation

Keita Watanabe¹, Yasutoshi Nagata¹, Yuichiro Sagawa¹, Masakazu Kaneko¹, Tomofumi Nakamura¹, Toshihiro Nozato¹, Takashi Ashikaga¹, Masahiko Goya², Tetsuo Sasano²

¹Japanese Red Cross Musashino Hospital, ²Tokyo Medical and Dental University Hospital

O50-4 Reduction of P-Wave Duration and Left Atrial Volume After Catheter Ablation for Persistent Atrial Fibrillation in Patients with Decreased Left Atrial Appendage Flow Velocity

Nobuhiro Yamaguchi, Takashi Namekawa, Shotaro Abe, Yoshimi Takahashi, Shintaro Kasahara, Kumiko Eguchi, Noriko Onoue, Tsuyoshi Shinozaki

Sendai Medical Center

O50-5 Role of Non-PV Trigger Mapping and Ablation in Persistent or Refractory AF

Yasushi Mukai

Japanese Red-Cross Fukuoka Hospital

Oral Presentation 51 AF Ablation 4

Chairs Yasushi Miyauchi (Nippon Medical School Chiba Hokusoh Hospital)
Yukio Sekiguchi (Sakakibara Heart Institute)

O51-1 Anatomical Characteristics of the Esophagus Evaluated with Computed Tomography Can Predicts Acute Gastroparesis After Catheter Ablation for Atrial Fibrillation

Daisuke Yakabe, Yusuke Fukuyama, Masahiro Araki, Toshihiro Nakamura

Kyushu Medical Center

O51-2 Relationship Between Early Recurrence and Late Recurrence After Catheter Ablation for Second Session

Yoichiro Iwasaki, Yoshiaki Inoue, Kinya Shirota, Hiroshige Ishii, Nobuhiko Haruki, Takashi Shimizu, Daiki Tsujimoto, Satoshi Kobara

Matsue Red Cross Hospital

O51-3 Transseptal Access and Catheter Ablation of Atrial Fibrillation in Patients with Amplatzer Septal Occluder Device

Koji Nakagawa, Atsuyuki Watanabe, Tomofumi Mizuno, Takuro Masuda, Saori Asada, Tomonari Kimura, Masakazu Miyamoto, Nobuhiro Nishii, Kazufumi Nakamura, Teiji Akagi, Hiroshi Morita, Hiroshi Ito
Okayama University Hospital

O51-4 Usefulness of Electrical Cardioversion Before Catheter Ablation for Long-Standing Persistent Atrial Fibrillation

Takahiro Hayashi, Masato Murakami, Yuka Mashimo, Takashi Nishimoto, Shingo Mizuno, Shigeru Saito
Shonan Kamakura General Hospital

Oral Presentation 52 AF Ablation 5

Chairs Koji Fukuda (*International University of Health and Welfare Hospital*)
Norishige Morita (*Tokai University Hachioji Hospital*)

O52-1 Low-Power Conventional Approach is Better than High-Power Unipolar Signal Modification Against Epicardial Connections Between the Right-Sided Pulmonary Vein Carina and Right Atrium

Hiroki Yano, Taku Nishida, Ayaka Keshi, Koshiro Kanaoka, Satoshi Terasaki, Yukihiro Hashimoto, Hitoshi Nakagawa, Tomoya Ueda, Ayako Seno, Kenji Onoue, Tsunenari Soeda, Makoto Watanabe, Rika Kawakami, Yoshihiko Saito
Nara Medical University

O52-2 Impact of the Preoperative Nutrition Status on Arrhythmia Recurrence After Catheter Ablation for Atrial Fibrillation

Masakazu Kaneko¹, Yasutoshi Nagata¹, Keita Watanabe¹, Yuichiro Sagawa¹, Tomofumi Nakamura¹, Masahiko Goya², Tetsuo Sasano²
¹*Japanese Red Cross Musashino Hospital*, ²*Tokyo Medical and Dental University Hospital*

O52-3 Aorto-Septal Angle Predicts Atrial Fibrillation Recurrence After Catheter Ablation

Jun Osada, Kouhei Honda, Akira Horigome, Tomomi Ueda, Tatsuro Shouji, Shunsuke Inoue, Shunichi Asano, Yoshikuni Kobayashi, Yuuto Iioka, Takahiro Watanabe, Tomoyuki Fukuzawa, Shingo Tanaka, Keita Masuda, Shinya Kowase, Hajime Aoki, Kazuhiko Yumoto
Yokohama Rousai Hospital

O52-4 Time from Diagnosis and Left Atrial Size Associated Recurrence of Atrial Fibrillation After Catheter Ablation

Jun Oikawa¹, Hidehira Fukaya¹, Jun Kishihara¹, Naruya Ishizue¹, Akira Satoh², Daiki Saito¹, Tetsuro Sato¹, Gen Matsuura¹, Yuki Arakawa¹, Shuhei Kobayashi¹, Yuki Shirakawa¹, Ai Horiguchi¹, Ryo Nishinarita¹, Shinichi Niwano¹, Junya Ako¹
¹*Kitasato University School of Medicine*, ²*Yokohama Asahi Chuo General Hospital*

O52-5 Change of Left Atrial and Left Ventricular Function and Exercise Tolerance in Patients Undergoing Catheter Ablation for Atrial Fibrillation

Yuya Takahashi, Tomohiko Watanabe, Takayuki Kitai
Sapporo Cardio Vascular Clinic

Oral Presentation 53 AF Ablation 6

Chairs Yoshihide Takahashi (*Shin-Yurigaoka General Hospital*)
Koichi Inoue (*Osaka National Hospital*)

O53-1 Effect of Atrial Fibrillation Ablation for the Patients with Functional Mitral Regurgitation

Naoaki Onishi, Maki Oi, Kazuaki Kaitani
Otsu Red Cross Hospital

- O53-2 Improvement of Nocturnal Blood Pressure Dipping After Ablation for Paroxysmal Atrial Fibrillation is Associated with Reduced Recurrence of Arrhythmia**
Tadashi Wada, Tatsuto Kawaguchi, Takaaki Saito, Toshihiro Iida, Takashi Yamada, Mitsutaka Nakashima, Yuji Koide, Kenji Kawamoto, Machiko Tanakaya, Yusuke Katayama
Iwakuni Clinical Center
- O53-3 Comorbidity with Asymptomatic Sinus Bradycardia Is an Additional Risk of Permanent Pacemaker Implantation After Catheter Ablation for the Patients with Tachycardia-Bradycardia Syndrome**
Ryo Nishinarita, Hidehira Fukaya, Jun Oikawa, Daiki Saitoh, Gen Matsuura, Yuki Arakawa, Shuhei Kobayashi, Yuki Shirakawa, Ai Horiguchi, Naruya Ishizue, Jun Kishihara, Shinichi Niwano, Junya Ako
Kitasato University School of Medicine
- O53-4 演題は取り下げられました。**
- O53-5 Reduction in the Radiation Exposure During Atrial Fibrillation Ablation: From Near-Zero to Zero Fluoroscopy Catheter Ablation**
Koichiro Ejima, Kyoichiro Yazaki, Satoshi Higuchi, Shohei Kataoka, Miwa Kanai, Daigo Yagishita, Morio Shoda, Nobuhisa Hagiwara
Tokyo Women's Medical University

Oral Presentation 54 AF Ablation 7

Chairs Kikuya Uno (*Tokyo Heart Arrhythmia Hospital*)
Yasuo Okumura (*Nihon University School of Medicine*)

O54-1 演題は取り下げられました。

O54-2 **Association of Late Gadolinium Enhancement on Magnetic Resonance Imaging with Persistent Atrial Fibrillation Duration and Left Atrial Volume**

Mitsuaki Itoh, Akira Shimane, Mitsuhiro Shoda, Hirotochi Ichibori, Kiminobu Yokoi, Tomofumi Takaya, Yasuyo Taniguchi, Hiroya Kawai
Himeji Cardiovascular Center

O54-3 **Correlation Between Highest Unipolar Voltage Gradient and Local Conduction Velocity in Patients with Atrial Fibrillation**

Shu Yamashita¹, Akira Mizukami¹, Yuki Shimizu¹, Hirofumi Arai¹, Jiro Hiroki¹, Akihiko Matsumura¹, Tetsuo Sasano²
¹*Kameda Medical Center*, ²*Tokyo Medical and Dental University*

O54-4 **Focal Source Ablation for Recurrent Persistent Atrial Fibrillation After Pulmonary Vein Isolation**

Tasuku Yamamoto, Yoshihide Takahashi, Miki Amemiya, Junji Yamaguchi, Yasuhiro Shirai, Susumu Tao, Tatsuya Hayashi, Masateru Takigawa, Masahiko Goya, Tetsuo Sasano
Tokyo Medical and Dental University

O54-5 **Electrophysiological Features of the Right Pulmonary Veins Carina Breakthrough: An Obstacle to the Completion of the Pulmonary Vein Isolation**

Shu Hirata, Koichi Nagashima, Ryuta Watanabe, Masaru Arai, Yuji Wakamatsu, Satoshi Hayashida, Naoto Otsuka, Sayaka Kurokawa, Toshiko Nakai, Seina Yagyu, Yasuo Okumura
Nihon University School of Medicine Itabashi Hospital

Oral Presentation 55 AF Ablation 8

Chairs Kengo Kusano (*National Cerebral and Cardiovascular Center*)
Atsuyuki Watanabe (*Okayama Medical Center*)

O55-1 **Great Decrease in Heart Rate After Persistent Atrial Fibrillation Ablation Predicting the Complication of Worsening Heart Failure After the Procedure**

Yasuhiro Matsuda, Masaharu Masuda, Takashi Kanda, Takuya Tsujimura, Hiroyuki Uematsu, Takashige Sakio, Toshiaki Mano
Kansai Rosai Hospital

O55-2 **Restoration and Maintenance of Sinus Rhythm by Catheter Ablation Improves Left Ventricular Function in Patients with Preserved Left Ventricular Ejection Fraction**

Yasunori Kanzaki, Itsuro Morishima, Yasuhiro Morita, Kensuke Takagi, Hiroaki Nagai, Naoki Watanabe, Naoki Yoshioka, Ryouta Yamauchi, Kazuki Shimojo, Takuro Imaoka, Gaku Sakamoto
Ogaki Municipal Hospital

O55-3 Efficacy and Safety of Pulmonary Vein Isolation for Patients with Reduced Left Ventricular Ejection Fraction

Takashi Ikenouchi¹, Osamu Inaba¹, Gaku Narita¹, Yohei Tamura¹, Hirotaka Yano¹, Giichi Nitta¹, Shunichi Kato¹, Toshikazu Kono¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kano¹, Tomomasa Takamiya¹, Yukihiro Inamura¹, Ken Negi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Yoshihide Takahashi², Masahiko Goya², Tetsuo Sasano²

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

O55-4 The Difference in the Prognosis After Catheter Ablation Among Paroxysmal and Persistent Atrial Fibrillation Patients with Decompensated Heart Failure

Hideki Koike, Tadashi Fujino, Ryo Wada, Kensuke Yano, Katsuya Akitsu, Masaya Shinohara, Toshio Kinoshita, Hitomi Yuzawa, Takanori Ikeda

Toho University Faculty of Medicine

O55-5 Difference of the Conduction Velocity in the Patients with Atrial Fibrillation

Akinori Matsumoto, Masanao Takeya, Koyo Sato, Yasuhide Ookawa

Nagoya Heart Center

Oral Presentation 56 AF Ablation 9

Chairs Kazuaki Kaitani (*Japanese Red Cross Otsu Hospital*)
Yuki Iwasaki (*Nippon Medical School*)

O56-1 Obstructive and Central Sleep Apnea Have Different Impacts on Left-Atrial Arrhythmogenic Electrophysiology and Outcome After Atrial Fibrillation Ablation

Yuji Motoike¹, Masahide Harada¹, Takehiro Itou¹, Yoshihiro Nomura³, Asuka Nishimura¹, Masayuki Koshikawa¹, Yukina Banno², Jun Takeda², Eiichi Watanabe⁴, Yukio Ozaki³, Hideo Izawa¹

¹Fujita Health University, ²Fujita Health University Hospital, ³Fujita Health University Okazaki Medical Center, ⁴Fujita Health University Bantane Hospital

O56-2 Cost-Effectiveness of Obstructive Sleep Apnea Screening and Treatment Before Catheter Ablation for Symptomatic Atrial Fibrillation

Hiroshi Kawakami^{1,2}, Makoto Saito³, Satoshi Kodera⁴, Akira Fujii¹, Takayuki Nagai¹, Teruyoshi Uetani^{1,5}, Sakurako Tanno⁵, Yasunori Oka⁵, Shuntaro Ikeda¹, Issei Komuro⁴, Tom Marwick², Osamu Yamaguchi¹

¹Ehime University Graduate School of Medicine, ²Baker Heart and Diabetes Institute, ³Kitaishikai Hospital, ⁴Graduate School of Medicine, The University of Tokyo, ⁵Center for Sleep Medicine, Ehime University Hospital

O56-3 Screening for Obstructive Sleep Apnea in Patients with Atrial Fibrillation at Their Home Before Catheter Ablation Using Watch Peripheral Arterial Tonometry

Nobuaki Tanaka, Koichi Inoue, Koji Tanaka, Yuko Hirao, Takafumi Oka, Masato Okada, Ryo Kitagaki, Issei Yoshimoto, Yasushi Koyama, Katsuomi Iwakura, Kenshi Fujii

Sakurabashi Watanabe Hospital

O56-4 Gender Difference in the Impact of Sleep Apnea Syndrome on Long-Term Outcome After Catheter Ablation of Paroxysmal Atrial Fibrillation

Kengo Ayabe, Atsuhiko Yagishita, Tetsuri Sakai, Kyong Hee Lee, Susumu Sakama, Shigetaka Kanda, Mari Amino, Koichiro Yoshioka, Yuji Ikari

Tokai University School of Medicine

O56-5 Association of Conduction Slowing During Sinus Rhythm and Atrial Fibrillation Catheter Ablation

Takakatsu Yoshitake¹, Koji Azegami¹, Hironori Sato¹, Ryouta Maeno¹, Sadahiro Hijikata¹, Satoshi Iwamiya¹, Kaoru Sakurai¹, Masahiko Goya², Tetsuo Sasano²

¹Shin-Yurigaoka General Hospital, ²Tokyo Medical and Dental University

Oral Presentation 57 AF Ablation 10

Chairs Kazuo Usuda (*Toyama Prefectural Central Hospital*)
Hiroo Noguchi (*Fukuoka Wajiro Hospital*)

- O57-1 Prognostic Value of Periatrial Adipose Tissue and Thyroid Stimulating Hormone in Paroxysmal Atrial Fibrillation with Catheter Ablation**
Masato Kawasaki, Takahisa Yamada, Tetsuya Watanabe, Yoshio Furukawa, Shunsuke Tamaki, Masatake Fukunami
Osaka General Medical Center
- O57-2 Obesity and Left Atrial Enlargement Is Synergistically Involved in Recurrence of Persistent AF After Ablation**
Aiko Takami, Junichiro Miake, Masaru Kato, Kazuyoshi Ogura, Akihiro Okamura, Takuya Tomomori, Kazuhiro Yamamoto
Tottori University
- O57-3 Impact of the Coronary Artery Calcium Score on the Outcome Post Pulmonary Vein Isolation in Patients with Persistent Atrial Fibrillation**
Shoko Sugahara, Susumu Tao, Junji Yamaguchi, Momiji Sakaguchi, Miki Amemiya, Hiroki Iju, Tasuku Yamamoto, Hidehiro Iwakawa, Masahiro Sekigawa, Yasuhiro Shirai, Tatsuya Hayashi, Masateru Takigawa, Yoshihide Takahashi, Masahiko Goya, Tetsuo Sasano
Tokyo Medical and Dental University
- O57-4 Is Epicardial Adipose Tissue Associated with Recurrences of Atrial Fibrillation Following Catheter Ablation?**
Minoru Nodera, Shinsuke Miyazaki, Eri Ishikawa, Moe Mukai, Daisetsu Aoyama, Kanae Hasegawa, Mika Ooshima, Ryohei Nomura, Kodai Hirano, Kousuke Miyahara, Akira Matsui, Yuichiro Shiomi, Naoto Tama, Hiroyuki Ikeda, Yoshitomo Fukuoka, Kentaro Ishida, Hiroyasu Uzui, Hiroshi Tada
University of Fukui
- O57-5 The Efficacy of Bepridil in Patients with Persistent Atrial Fibrillation Predict Long-Term Outcome of Catheter Ablation**
Koji Goto, Wataru Sasaki, Yoshinori Okazaki, Shingo Yoshimura, Shohei Kishi, Mitsuho Inoue, Hiroyuki Motoda, Katsura Nijima, Kentaro Minami, Takehito Sasaki, Yuko Miki, Yutaka Take, Kenichi Kaseno, Kohki Nakamura, Shigeto Naito
Gunma Prefectural Cardiovascular Center

Oral Presentation 58 AF Ablation 11

Chairs Satoshi Shizuta (*Kyoto University Graduate School of Medicine*)
Asumi Takei (*Nagasaki University Hospital*)

- O58-1 Clinical Characteristics and Ablation Outcome in Patients with Asymptomatic Atrial Fibrillation**
Masashi Kamioka, Kazuaki Amami, Naoko Hijioka, Shinya Yamada, Takashi Kaneshiro, Yasuchika Takeishi
Fukushima Medical University
- O58-2 Should We Perform Ablation for Asymptomatic Atrial Fibrillation Detected by Cardiac Implantable Electronic Devices?**
Keiji Inoue, Akiko Shiraga, Ryotaro Tani, Takeru Kasahara, Daisuke Irie, Yoshinori Tsubakimoto, Tomohiko Sakatani, Akiko Matsuo
Kyoto Second Red Cross Hospital

O58-3 Relationship Between Mitral L-Wave and Recurrence of Atrial Fibrillation After Radiofrequency Catheter Ablation in Patients with Persistent Atrial Fibrillation

Masaya Shinohara, Tadashi Fujino, Ryou Wada, Kensuke Yano, Katsuya Akitsu, Hideki Koike, Toshio Kinoshita, Takanori Ikeda
Toho University Graduate School of Medicine

O58-4 Intra-Cardiac Echocardiogram-Guided Radiofrequency Catheter Ablation for More Safe and Effective Outcomes: Observations from an Experimental Study

Osamu Saitoh, Ayaka Oikawa, Ayari Sugai, Masaomi Chinushi
Niigata University

O58-5 Can Catheter Ablation Supersede Medical Therapy as the First Line Therapy for Paroxysmal Atrial Fibrillation?

Hitomi Yuzawa¹, Toshio Kinoshita², Ryo Wada², Kensuke Yano², Katsuya Akitsu², Hideki Koike², Masaya Shinohara², Takeya Suzuki², Tadashi Fujino², Takanori Ikeda²
¹Mitsui Memorial Hospital, ²Toho University Faculty of Medicine

Oral Presentation 59 AF Ablation 12

Chairs Yuichiro Kawamura (*Asahikawa Medical University*)
Tomoo Harada (*St. Marianna University School of Medicine*)

O59-1 Indispensable Posterior Wall Isolation for Strategies of Atrial Fibrillation Ablation

Shun Kikuchi
Nagoya Tokushukai General Hospital

O59-2 Transition in Strategies and Outcome of Atrial Fibrillation Ablation in Recent 6 Years

Moyuru Hirata¹, Koichi Nagashima¹, Yuji Wakamatsu¹, Naoto Otsuka¹, Sayaka Kurokawa¹, Satoshi Hayashida², Seina Yagyū¹, Shu Hirata¹, Toshiko Nakai¹, Yasuo Okumura¹
¹Nihon-University School of Medicine, ²Kawaguchi Municipal Medical Center

O59-3 Efficacy and Safety of Catheter Ablation for Persistent Atrial Fibrillation in Octogenarian Patients

Yasuhiro Sasaki, Atsushi Kobori
Kobe City Medical Center General Hospital

O59-4 Clinical Importance of Sinus Restoration for Atrial Tachyarrhythmias Persisting from Blanking Period in Contact Force and Ablation Index Era

Yasuharu Matsunaga-lee, Yasuyuki Egami, Masamichi Yano, Ryu Shutta, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital

O59-5 Predictive Parameters for the First-pass Blockline Completion by Roof and Floor Linear Ablation in the Left Atrium

Suguru Nishiuchi, Maiko Kuroda, Takeshi Harita, Yukihiro Hamaguchi, Maki Hamasaki, Hideki Kojima, Hibiki Mima, Seita Yamasaki, Yuki Obayashi, Hiroki Okamoto, Akinori Tamura, Jiro Sakamoto, Yodo Tamaki, Souichiro Enomoto, Makoto Miyake, Hirokazu Kondo, Toshihiro Tamura
Tenri Hospital

Short Session 10 Cryoballoon Ablation 1

Chairs Tomohito Inage (*Takagi Hospital*)
Atsushi Kobori (*Kobe City Medical Center General Hospital*)

SHO10-1 Rapid Atrial Pacing and Isoproterenol Infusion Test After Cryo-Balloon Ablation (CBA): A Pilot Prospective Study

Miwa Miyoshi, Hajime Saeki, Nobuyuki Ogasawara, Yuko Eda, Kana Shichijo, Shohei Yamamoto, Yuto Suetani, Kosuke Hirose, Miho Kuramoto, Tomoki Fukui, Yo Arita, Kaori Yasumura, Shinji Hasegawa
Osaka Hospital

SHO10-2 The Second-Generation Cryoballoon for Pulmonary Vein Isolation Are Effective in Reduction Operative Duration and Comparable Sinus Rhythm Maintenance Rate

Noboru Oda, Makoto Takeuchi, Hiroshi Kobatake, Ayano Osawa, Haruko Shiota, Yusuke Kobayashi, Aya Yamane, Michiaki Nagai, Eisuke Kagawa, Eiji Kunita, Masaya Kato, Keigo Dote
Hiroshima City Asa Citizens Hospital

SHO10-3 Initial Results of Balloon Ablation for Paroxysmal Atrial Fibrillation in Our Hospital: Electrogram Guided PVI vs. Visually guided PVI

Ryuki Chatani, Hiroshi Tasaka, Atsushi Sakata, Yasushi Arakaki, Mitsuru Yoshino, Kazushige Kadota
Kurashiki Central Hospital

SHO10-4 演題は取り下げられました。

SHO10-5 The Comparison Between Cryoballoon Ablation Without Touch-Up Ablation and Radiofrequency Ablation for Paroxysmal Atrial Fibrillation

Yuta Sakaguchi, Yukio Hosaka, Shinya Fujisaki, Yuka Sekiya, Mayumi Kase, Komei Tanaka, Keiichi Tsuchida, Kazuyoshi Takahashi, Hirotaaka Oda
Niigata City General Hospital

SHO10-6 Safety and Efficacy of Cryoablation on Atrial Fibrillation Without Contrast Agent

Motoki Kubo, Yuu Yoshida, Shinpei Fujita, Masaki Yoshikawa
Fukuyama City Hospital

SHO10-7 Efficacy of Pulmonary Vein Isolation with Cryoballoon for Long-Standing Persistent Atrial Fibrillation as an Initial Ablation

Masato Murakami, Takahiro Hayashi, Yuka Mashimo, Takashi Nishimoto, Shingo Mizuno, Shigeru Saito
Shonan Kamakura General Hospital

Short Session 11 Cryoballoon Ablation 2

Chair Takeshi Ueyama (*Yamaguchi Prefectural Grand Medical Center*)

SHO11-1 Long-term Follow-up of Phrenic Nerve Injury During Cryoballoon Ablation of Atrial Fibrillation

Michifumi Tokuda, Seigo Yamashita, Hidenori Sato, Hirotsugu Ikewaki, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Mika Kato, Shin-ichi Tanigawa, Seiichiro Matsuo, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane
The Jikei University School of Medicine

SHO11-2 Clinical Outcome of Catheter Ablation Using Cryoballoon for Patients with Long-standing Persistent Atrial Fibrillation

Kosuke Aoki, Tetsuo Yagi, Akihiko Ishida, Yoshiaki Mibiki, Takehiko Miyashita, Yoshihiro Yamashina, Eiji Sato, Keisuke Suzuki, Mai Suzuki
Sendai City Hospital

SHO11-3 Factors Associating Chronic Pulmonary Vein Reconnection Following Cryoballoon Ablation in Each Pulmonary Veins

Michifumi Tokuda, Seigo Yamashita, Hidenori Sato, Hirotsugu Ikewaki, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Mika Kato, Shin-ichi Tanigawa, Seiichiro Matsuo, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane
The Jikei University School of Medicine

SHO11-4 演題は取り下げられました。

SHO11-5 Transformation Between Pre and Post Holter Electrocardiogram and Ultrasound Echocardiogram Can Predict Recurrence After Cryoballoon Ablation in Patients with Atrial Fibrillation

Ryo Tateishi¹, Masato Shimizu¹, Hiroshi Shimada¹, Karina Hara¹, Mari Ohmori¹, Toshio Kaneda¹, Yosuke Yamakami¹, Tomoko Manno¹, Ami Isshiki¹, Shigeki Kimura¹, Hiroyuki Fujii¹, Makoto Suzuki¹, Tetsuo Sasano², Mitsuhiro Nishizaki³

¹*Yokohama Minami Kyosai Hospital*, ²*Tokyo Medical and Dental University*, ³*Odawara Cardiovascular Hospital*

SHO11-6 Feasibility and Utility of Linear Ablation using Cryoballoon for Atrial Fibrillation Ablation

Yukoh Hirai, Atsushi Kuraishi, Yoshihiro Dohi, Yasuyuki Tomohiro
Kure Kyosai Hospital

SHO11-7 Study on Recurrence After Cryoablation for Paroxysmal Atrial Fibrillation

Keisuke Iwata, Shinji Kaneko, Masaya Fujita, Ryuji Kubota, Taiki Ohashi, Yousuke Tatami, Tomoaki Haga, Kentaro Adachi, Hitomi Hori, Ryota Ito, Yoshinori Shirai, Shota Iseki, Masanori Shinoda
Toyota Kosei Hospital

Short Session 12 Others 1

Chairs Masao Takemoto (*Steel Memorial Yawata Hospital*)
Keiichi Ashikaga (*Miyazaki Medical Association Hospital*)

SHO12-1 10-Year Cerebral Thromboembolism Prevention by Thoracoscopic Left Atrial Appendectomy in Chronic Non-Valvular Atrial Fibrillation: Brain MRI Study in 27 Cases

Toshiya Ohtsuka, Mikio Ninomiya, Takahiro Nonaka, Motoyuki Hisagi
Tokyo Metropolitan Tama Medical Center

SHO12-2 Time-Course of Activated Clotting Time on the Day of Atrial Fibrillation Ablation for Interrupted and Uninterrupted Direct Oral Anticoagulation and Effects on Ablation Safety Outcomes

Hirosuke Yamaji, Shunichi Higashiya, Takashi Murakami, Hiroshi Kawamura, Kazuyoshi Hina
Okayama Heart Clinic

SHO12-3 Clinical Outcomes of Patients with Atrial Fibrillation Induced by Adenosine Triphosphate Administration After Pulmonary Vein Isolation

Yuka Mashimo, Masato Murakami, Takahiro Hayashi, Takashi Nishimoto, Shingo Mizuno, Shigeru Saito
Shonan Kamakura General Hospital

SHO12-4 Trends in Efficacy and Safety of Catheter Ablation for Atrial Fibrillation in Octogenarians

Yuko Hirao, Koichi Inoue, Koji Tanaka, Toshinari Onishi, Takafumi Oka, Nobuaki Tanaka, Masato Okada, Ryo Kitagaki, Issei Yoshimoto, Katsuomi Iwakura, Kenshi Fujii
Sakurabashi Watanabe Hospital

SHO12-5 演題は取り下げられました。

SHO12-6 A Setting Targeted Activation Clotting Time > 300 Sec Is Not Necessarily a Keeping Over 300 Sec During Catheter Ablation of Atrial Fibrillation

Yosuke Hayashi, Yasuaki Tanaka, Naohiko Kawaguchi, Kenji Okubo, Katsumasa Takagi, Atsushi Takahashi
Yokosuka Kyosai Hospital

SHO12-7 ECG of Right Free-Wall Outflow Ventricular Arrhythmias May Express Pulmonary Artery Origins: Differential Diagnosis from the Electrophysiological Findings

Satoshi Hara, Hitoshi Hachiya, Hidenori Hirano, Hiroaki Ohya, Yoshikazu Satoh, Naoyuki Miwa, Kazuya Yamao, Shigeki Kusa
Tsuchiura Kyodo General Hospital

Short Session 13 Others 2

Chairs Shinohara Tetsuji (*Oita University Faculty of Medicine*)
Hitoshi Ichiki (*Kagoshima University Hospital*)

SHO13-1 The Impact of the Fourth-Generation Cryoballoon with a Shorter Tip Recording Real-Time Pulmonary Vein Potentials Compared to the Second-Generation Cryoballoon

Toshikazu Kono¹, Osamu Inaba¹, Gaku Narita¹, Youhei Tamura¹, Hiroataka Yano¹, Giichi Nitta¹, Shunichi Kato¹, Takashi Ikenouchi¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Tomomasa Takamiya¹, Yukihiko Inamura¹, Ken Negi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Junichi Nitta², Tetsuo Sasano³
¹Japanese Redcross Saitama Hospital, ²Sakakibara Heart Institute, ³Tokyo Medical and Dental University

SHO13-2 Intracardiac Echo-Guided HotBalloon Ablation Is Effective for Pulmonary Vein Isolation, Reducible Its Side Effects but Shows Its Limits

Toshiya Kojima, Katsuhito Fujii, Yuriko Yoshiya, Tsukasa Oshima, Hiroshi Matsunaga, Takumi Matsubara, Nobuaki Fukuma, Akiko Saga, Gaku Oguri, Eriko Hasumi, Issei Komuro
The University of Tokyo

SHO13-3 演題は取り下げられました。

SHO13-4 The Impact of Age and Sex for Estimating Low the Electrogram Bipolar Voltage Amplitude of Left Atrium-Pulmonary Vein Junction in Patients with Atrial Fibrillation

Hironori Ishiguchi, Masaaki Yoshida, Masahiro Ishikura, Koji Imoto, Kazuhiko Sonoyama, Tetsuya Kawabata, Tsuyoshi Oda
Shimane Prefectural Central Hospital

SHO13-5 The Effect of Dispersive Electrode Position on Radiofrequency Ablation Lesion: An in Vitro Study

Tsugiyoshi Yamazaki¹, Kenichi Ota², Kouya Hashimoto²
¹Tachibanadai Clinic, ²Tachibanadai Hospital

SHO13-6 Effectiveness of Delayed Computed Tomography Angiography(CTA) Imaging for Left Appendage Thrombus Exclusion for Patients of Atrial Fibrillation: Comparison Between CTA Imaging and Echocardiography Parameters

Yuki Osaka¹, Yuichi Ono¹, Shiho Kawamoto¹, Ayaka Kimura¹, Akifumi Tanaka¹, Ken Tsuchiya¹, Hidetsugu Nomoto¹, Kento Yabe¹, Toru Miyazaki¹, Asami Suzuki¹, Ken Kurihara¹, Kenichiro Otomo¹, Tetsuo Sasano²

¹Ome Municipal General Hospital, ²Tokyo Medical and Dental University

SHO13-7 Atrial Tachycardia in Young Patients: Mapping Strategy Around the Sinus Node

Asumi Takei¹, Akira Kimata², Hiroyuki Takahara², Masafumi Takeda², Masamichi Yasutomi², Hiroaki Shiraki², Ayako Kunitamura², Kenzo Fukuhara², Sonoko Hirayama², Tohru Ozawa², Nobutaka Inoue², Shuji Arakawa¹, Yoshiyuki Doi¹, Satoki Fukae¹, Kohji Maemura¹

¹Nagasaki University Hospital, ²Kobe Rosai Hospital

Oral Presentation 60 Non PV / SVCI

Chair Kenichi Hiroshima (*Kokura Memorial Hospital*)

- O60-1 Detailed Electrophysiological Characteristics of Non-Pulmonary Vein Triggers Excluding Origins from the Superior Vena Cava and Left Atrial Posterior Wall**
Koji Yasumoto, Yasuharu Matsunaga-lee, Yasuyuki Egami, Masamichi Yano, Ryu Shutta, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital
- O60-2 Left Atrial Size as a Predictor of Non-Pulmonary Vein Triggers in Patients with Atrial Fibrillation**
Takashi Ikenouchi¹, Osamu Inaba¹, Gaku Narita¹, Yohei Tamura¹, Hiroataka Yano¹, Giichi Nitta¹, Shunichi Kato¹, Toshikazu Kono¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Tomomasa Takamiya¹, Yukihiro Inamura¹, Ken Negi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Yoshihide Takahashi², Masahiko Goya², Tetsuo Sasano²
¹Japanese Red Cross Saitama Hospital, ²Tokyo Medical and Dental University Heart Rhythm Center
- O60-3 A Novel Designed Atrial Postero-Septum Linear Ablation Method (Icho line) for Non-Pulmonary Vein Triggers from Atrial Postero-Septum and Crista Terminalis**
Shunsuke Kawai, Hiroka Nakashima, Hiroshi Ikuta, Kousuke Okabe, Arihide Okahara, Masaki Tokutome, Tomoyuki Tobushi, Hirohide Matsuura, Ryuichi Matsukawa, Seigo Masuda, Yasushi Mukai
Japanese Red Cross Fukuoka Hospital
- O60-4 The Impact of Empiric Superior Vena Cava Isolation for Non-Paroxysmal Atrial Fibrillation with Low Voltage Areas**
Takuya Omuro¹, Yasuhiro Yoshiga¹, Masakazu Fukuda¹, Takayoshi Kato¹, Shohei Fujii¹, Takeshi Ueyama², Akihiko Shimizu³, Masafumi Yano¹
¹Yamaguchi University Graduate School of Medicine, ²Yamaguchi Grand Medical Center, ³Ube-Kohsan Central Hospital
- O60-5 The Novel Approach of Non-Pulmonary Vein Triggers Ablation with EnSite: the Fractionated Signal Area of Atrial Muscle with EnSite (EnSite-FAAM) Ablation**
Kengo Korai, Kenichi Hiroshima, Yohei Sadohara, Jun Hirokami, Rei Kuji, Junji Morita, Masato Fukunaga, Michio Nagashima, Kenji Ando
Kokura Memorial Hospital

Oral Presentation 61 Balloon Ablation

Chairs Hiroshi Sohara (*Shonantobu General Hospital*)
Hiro Yamasaki (*University of Tsukuba*)

- O61-1 Evaluation of Pulmonary Vein Isolation by Use of the Bipolar Electrodes at the Tip of a Hot Balloon Catheter**
Tatsuya Amano, Yoshitaka Hiroe, Hideki Ueno, Shutaro Satake
Hayama Heart Center
- O61-2 Visually-Guided Laser Balloon Ablation of Paroxysmal Atrial Fibrillation**
Mari Kitagawa, Yusuke Kondo, Masafumi Sugawara, Toshinori Chiba, Haruhiro Takahira, Ryo Ito, Miyo Nakano, Takatsugu Kajiyama, Masahiro Nakano, Yoshio Kobayashi
Chiba University Graduate School of Medicine

O61-3 演題は取り下げられました。

O61-4 **Impact of Various Catheter Ablation Devices on Myocardial Biomarkers and Inflammatory Reactions After Pulmonary Vein Isolation in Atrial Fibrillation Patients**

Masaaki Yokoyama¹, Seigo Yamashita¹, Hidenori Sato¹, Hirotsugu Ikekaki¹, Hirotsuna Oseto¹, Ryota Isogai², Kenichi Tokutake¹, Kenichi Yokoyama¹, Ryosuke Narui¹, Mika Kato¹, Shinichi Tanigawa², Michifumi Tokuda¹, Seiichiro Matsuo², Satoru Miyanaga¹, Kenichi Sugimoto², Michihiro Yoshimura¹, Teiichi Yamane¹

¹The Jikei University School of Medicine, ²The Jikei University School of Medicine Katsushika Medical Center

O61-5 **Transition of Heart Rate and Atrial Premature Complex After Cryoballoon vs. Radiofrequency Ablation for Paroxysmal Atrial Fibrillation**

Hidenori Sato, Michifumi Tokuda, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Ryosuke Narui, Shinichi Tanigawa, Seigo Yamashita, Seiichiro Matsuo, Teiichi Yamane

The Jikei University School of Medicine

Oral Presentation 62 Laser Balloon Ablation

Chairs Kaoru Okishige (Yokohama Minato Heart Clinic)
Takahiko Nagase (Sakakibara Heart Institute)

O62-1 **An Anatomical Predictor of Luminal Esophageal Temperature Rise During Pulmonary Vein Isolation Using Visually Guided Laser Balloon**

Hidehiro Iwakawa, Yoshihide Takahashi, Tasuku Yamamoto, Miki Amemiya, Junji Yamaguchi, Masahiro Sekigawa, Yasuhiro Shirai, Susumu Tao, Tatsuya Hayashi, Masateru Takigawa, Masahiko Goya, Tetsuo Sasano

Tokyo Medical and Dental University

O62-2 演題は取り下げられました。

O62-3 **Laser Balloon Ablation in Patients with the Left Common Pulmonary Vein**

Shinichi Tachibana¹, Kaoru Okishige^{1,3}, Hiroshi Yoshida¹, Rena Nakamura¹, Tatsuhiko Hirao¹, Takatoshi Shigeta¹, Atsuhito Oda¹, Nao Ito¹, Mitsutoshi Asano¹, Tsukasa Shimura¹, Hidetoshi Suzuki¹, Manabu Kurabayashi¹, Yasuteru Yamauchi¹, Tetsuo Sasano²

¹Yokohama City Minato Red Cross Hospital, ²Tokyo Medical and Dental University, ³Yokohama Minato Heart Clinic

O62-4 **Visually Guided Laser Balloon Ablation with Real-Time Monitoring of Pulmonary Vein Potentials in Paroxysmal Atrial Fibrillation Patients**

Seigo Yamashita, Michifumi Tokuda, Hidenori Sato, Hirotsugu Ikekaki, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Ryosuke Narui, Mika Kato, Shinichi Tanigawa, Seiichiro Matsuo, Satoru Miyanaga, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane

The Jikei University School of Medicine

O62-5 **Visually Guided Laser Balloon: Efficacy, Safety and Mid-Term Outcome**

Tasuku Yamamoto, Yoshihide Takahashi, Miki Amemiya, Junji Yamaguchi, Yasuhiro Shirai, Susumu Tao, Tatsuya Hayashi, Masateru Takigawa, Masahiko Goya, Tetsuo Sasano

Tokyo Medical and Dental University

Oral Presentation 63 AF Ablation, Complications 1

Chair Morio Shoda (*Tokyo Women's Medical University*)

- O63-1 Occurrence and Progress of Pulmonary Vein Stenosis After Pulmonary Vein Isolation Using Radiofrequency Hot Balloon Ablation**
Hirotochi Ichibori, Akira Shimane, Mitsuhiko Shoda, Mitsuki Ito, Kiminobu Yokoi
Hyogo Brain and Heart Center
- O63-2 Characteristics of Esophageal Injury in High Power-Short Duration Ablation of Atrial Fibrillation**
Takashi Kaneshiro, Masashi Kamioka, Kazuaki Amami, Naoko Hijioka, Shinya Yamada, Yasuchika Takeishi
Fukushima Medical University
- O63-3 The Impact of Ablation Catheter Continuous Pacing to Prevent Phrenic Nerve Palsy During Extensive Encircling Pulmonary Vein Isolation (EEPVI)**
Yoshinao Sugai, Koji Kumagai, Yuki Kurose, Kaoru Hasegawa, Hisashi Kikuta, Takenori Sumiyoshi, Yuko Sekiguchi, Takeyoshi Kameyama, Minoru Yambe, Takao Nakano, Tatsuya Komaru
Tohoku Medical and Pharmaceutical University
- O63-4 Prolongation of QT Interval After Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation**
Akio Chikata, Shuhei Fujita, Kenji Emoto, Shintaro Matsuura, Kan-ichi Otowa, Michiro Maruyama, Kazuo Usuda
Toyama Prefectural Central Hospital
- O63-5 Predictors of Silent Cerebral Infarction Associated with Uninterrupted Anticoagulation Therapy During Catheter Ablation for Atrial Fibrillation**
Yoshio Furukawa, Tetsuya Watanabe, Takahisa Yamada, Masato Kawasaki, Takashi Morita, Shunsuke Tamaki, Atsushi Kikuchi, Masahiro Seo, Jun Nakamura, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami
Osaka General Medical Center

Oral Presentation 64 AF Ablation, Complications 2

Chairs Toshihiro Nakamura (*Kyushu Medical Center*)
Motoki Hara (*Hara Clinic Higashi Hiroshima*)

- O64-1 Factors Associated with Silent Cerebral Events During Catheter Ablation for Atrial Fibrillation in Patients with Uninterrupted Oral Anticoagulation Therapy**
Masahide Harada¹, Yoshihiro Nomura¹, Asuka Nishimura¹, Yuji Motoike¹, Masayuki Koshikawa¹, Yukina Banno², Eiichi Watanabe¹, Hideo Izawa¹, Yukio Ozaki¹
¹Fujita Health University, ²Fujita Health University Hospital
- O64-2 Characteristics of Radiofrequency Lesions in Patients with Periesophageal Vagal Nerve Injury After Pulmonary Vein Isolation**
Shingo Yoshimura, Yutaka Take, Kenichi Kaseno, Kohki Kimura, Wataru Sasaki, Yoshinori Okazaki, Yumiko Haraguchi, Shohei Kishi, Kentaro Minami, Takehito Sasaki, Koji Goto, Yuko Miki, Kohki Nakamura, Shigetomo Naito
Gunma Prefectural Cardiovascular Center

O64-3 Cerebral Embolisms After Catheter Ablation of Atrial Fibrillation: A Propensity Score-Matched Analysis Between Different Radiofrequency Ablation Systems

Kohki Nakamura, Takehito Sasaki, Yutaka Take, Mitsuho Inoue, Kentaro Minami, Shohei Kishi, Shingo Yoshimura, Wataru Sasaki, Yoshinori Okazaki, Hiroyuki Motoda, Katsura Nijijima, Koji Goto, Yuko Miki, Kenichi Kaseno, Shigeto Naito

Gunma Prefectural Cardiovascular Center

O64-4 Preprocedural Activated Clotting Time as a Predictor of Bleeding Complications After Atrial Fibrillation Ablation with Uninterrupted Dabigatran Anticoagulation Therapy

Ryota Isogai¹, Seiichiro Matsuo¹, Hirotsugu Ikewaki¹, Hidenori Sato², Hirotsuna Oseto², Masaaki Yokoyama², Kenichi Tokutake², Kenichi Yokoyama², Ryosuke Narui², Mika Kato^{1,2}, Shinichi Tanigawa¹, Seigo Yamashita², Michifumi Tokuda², Kenichi Sugimoto¹, Teiichi Yamane², Michihiro Yoshimura²

¹*The jikei University School of Medicine Katsushika Medical Center*, ²*The Jikei University School of Medicine*