

Oral Presentation 1
Ablation AVNRT 1

8:30 ~ 9:30

Chair Kenichiro Otomo (*Ome Municipal General Hospital, Japan*)
Takeshi Tobiume (*Kawashima Hospital, Japan*)

- O1-1 Efficacy of Additional Cryoablation near the Successful Ablation Site for Atrioventricular Nodal Reentrant Tachycardia**
Maiko Kuroda, Kenichi Hiroshima, Sota Hirokawa, Hiroyuki Kono, Jun Hirokami, Yohei Sadohara, Tomonori Katsuki, Kengo Korai, Masato Fukunaga, Michio Nagashima, Kenji Ando
Kokura Memorial Hospital, Japan
- O1-2 Conduction Delay and Block in the AV Node May Develop Mainly in the Compact Node in Human**
Shuntaro Tamura, Yoshiaki Kaneko, Takashi Kobari, Hiroshi Hasegawa, Tadashi Nakajima, Hideki Ishii
Gunma University, Japan
- O1-3 Direct Slow Pathway Capture Mapping Guided Approach for Slow-Fast Atrioventricular Nodal Reentrant Tachycardia: A Multicenter Study**
Ryu Tsushima¹, Keisuke Okawa¹, Yuya Sudo¹, Akihiro Oka¹, Masahiro Sogo¹, Masatomo Ozaki¹, Masahiko Takahashi¹, Takeshi Tobiume²
¹*Kagawa Prefectural Central Hospital, Japan*, ²*Kawashima Hospital, Japan*
- O1-4 Ultra-High Resolution Mapping Guided Slow Pathway Ablation: New Treatment Strategy for Slow-Fast Atrioventricular Nodal Reentrant Tachycardia**
Yuji Wakamatsu¹, Koichi Nagashima¹, Hitoshi Mori², Masaharu Maegaki³, Kazumasa Sonoda⁴, Kenta Tsutsui², Yoshifumi Ikeda², Ritsushi Kato², Naokata Sumitomo², Yasuo Okumura¹
¹*Nihon University, Japan*, ²*Saitama Medical University International Medical Center, Japan*, ³*Ayase Heart Hospital, Japan*, ⁴*Tokyo Rinkai Hospital, Japan*
- O1-5 Safe and Effective Ablation of Atrioventricular Nodal Reentrant Tachycardia Using Ultra-High-Density Mapping**
Yusuke Sakamoto, Hiroyuki Osanai, Yuki Tanaka, Shotaro Hiramatsu, Hikari Matsumoto, Kenji Arai, Takashi Watanabe, Teruhiro Sakaguchi, Shio Ohguchi, Takahiro Kambara, Yoshihito Nakashima, Hiroshi Asano, Masayoshi Ajioka
Tosei General Hospital, Japan

Oral Presentation 2
Ablation AVNRT 2

9:40 ~ 10:40

Chair Hiroshige Yamabe (*Shin-Koga Hospital, Japan*)
Yoshiaki Kaneko (*Gunma University Graduate School of Medicine, Japan*)

- O2-1 Why Is It Safe That Radiofrequency Ablation of Atrioventricular Nodal Reentrant Tachycardia in the Elderly?**
Daiki Tsujimoto, Kinya Shirota, Yoshiaki Inoue, Hiroshige Ishii, Takashi Shimizu, Yoichiro Iwasaki, Fumiyasu Hirano
Matsue Red Cross Hospital, Japan
- O2-2 Acute Recurrence of Cryoablation for Atrioventricular Nodal Reentrant Tachycardia: Single-Center Experience Study**
Satomi Kume¹, Takahiro Sato¹, Satoshi Ohnishi², Yosuke Haruki¹, Daigo Nishijyo¹, Masataka Yamasaki¹, Naoko Sawada¹, Kotaro Mochida¹, Masayasu Ikutomi¹, Masashiro Matsushita¹, Masao Yamasaki¹
¹*NTT Medical Center Tokyo, Japan*, ²*Sayama General Clinic, Japan*

O2-3 Estimation of Local Electrograms at the Site of Successful Cryofreezing for Typical Atrioventricular Nodal Reentrant Tachycardia

Masahiro Nakano, Yusuke Kondo, Takatsugu Kajiyama, Miyo Nakano, Ryo Ito, Mari Kitagawa, Masafumi Sugawara, Toshinori Chiba, Satoko Ryuzaki, Yoshio Kobayashi
Chiba University Graduate School of Medicine, Japan

O2-4 Cryo-Mapping During Supraventricular Tachycardia; Safeness and Characteristics of the Mode of Termination

Masahiro Mizobuchi, Tomoki Yamashita, Junya Matsumoto, Hotaka Takemura, Tomoko Tachi
Kyoto-Katsura Hospital, Japan

O2-5 Safety and Efficiency of the Potential-Guided Cryoablation for Slow-Fast Atrioventricular Nodal Reentrant Tachycardia

Shintaro Yamagami, Suguru Nishiuchi, Yuta Nakano, Masaya Akiyama, Kazushige Shimizu, Sadanori Shimizu, Tsukasa Motoyoshi, Yudai Hamaguchi, Maki Hamasaki, Hidenori Kojima, Hibiki Mima, Seita Yamasaki, Akinori Tamura, Jiro Sakamoto, Keiichiro Yamane, Yodo Tamaki, Soichiro Enomoto, Makoto Miyake, Hirokazu Kondo, Toshihiro Tamura
Tenri Hospital, Japan

Oral Presentation 3

Ablation AFリスクファクター

10:50 ~ 11:50

Chair Eitaro Kodani (*Nippon Medical School Tama Nagayama Hospital, Japan*)
Kazuyasu Yoshitani (*Shiroyama Hospital, Japan*)

O3-1 Association Between Fibrillation Cycle Length on the Surface Electrocardiogram and Clinical Outcomes in Patients with Atrial Fibrillation: The Fushimi AF Registry

Hisashi Ogawa¹, Takashi Yoshizawa¹, Masahiro Esato², Kimihito Minami¹, Kenjiro Ishigami¹, Shuhei Ikeda¹, Kosuke Doi¹, Yasuhiro Hamatani¹, Yuya Ide¹, Akiko Fujino¹, Mitsuru Ishii¹, Moritake Iguchi¹, Nobutoyo Masunaga¹, Hiromichi Wada³, Koji Hasegawa³, Mitsuru Abe¹, Masaharu Akao¹
¹NHO Kyoto Medical Center, Japan, ²Ogaki Tokushukai Hospital, Japan, ³NHO Kyoto Medical Center, Japan

O3-2 Prognostic Significance of Natriuretic Peptide Levels in Atrial Fibrillation Patients Undergoing Catheter Ablation

Tetsuma Kawaji^{1,2}, Satoshi Shizuta², Takanori Aizawa², Shushi Nishiwaki², Takashi Yoshizawa³, Suguru Nishiuchi⁴, Masashi Kato¹, Takafumi Yokomatsu¹, Shinji Miki¹
¹Mitsubishi Kyoto Hospital, Japan, ²Kyoto University Hospital, Japan, ³NHO Kyoto Medical Center, Japan, ⁴Tenri Hospital, Japan

O3-3 Low Troponin I Level Predicts the Presence of Arrhythmia-Induced Cardiomyopathy in Patients with Atrial Fibrillation and Left Ventricular Systolic Dysfunction

Daisetsu Aoyama, Toshihiko Tsuji, Shota Kakehashi, Moe Mukai, Kentaro Ishida, Hiroyasu Uzui, Hiroshi Tada
University of Fukui, Japan

O3-4 Impact of Heart Rate on Adverse Events in Patients with Non-Valvular Atrial Fibrillation: The J-RHYTHM Registry

Eitaro Kodani¹, Hiroshi Inoue², Hirotsugu Atarashi³, Ken Okumura⁴, Takeshi Yamashita⁵, Hideki Origasa⁶
¹Nippon Medical School Tama Nagayama Hospital, Japan, ²Saiseikai Toyama Hospital, Japan, ³AOI Hachioji Hospital, Japan, ⁴Saiseikai Kumamoto Hospital, Japan, ⁵The Cardiovascular Institute Hospital, Japan, ⁶University of Toyama, Japan

O3-5 Association Between High-Sensitivity Cardiac Troponin T, Left Atrial Volume, and Atherosclerosis in Patients with Atrial Fibrillation

Takafumi Okuyama, Tomoyuki Kabutoya, Hiroaki Watanabe, Ayako Yokota, Masashi Kamioka, Takahiro Komori, Tomonori Watanabe, Yasushi Imai, Kazuomi Kario
Jichi Medical University Hospital, Japan

Chair Tetsuji Shinohara (*Oita University, Japan*)
Yoshiyasu Aizawa (*International University of Health and Welfare Narita Hospital, Japan*)

O4-1 Impact of Visit-to-Visit Variability of Early Repolarization Pattern on Recurrence of Ventricular Fibrillation in Patients with Early Repolarization Syndrome

Keisuke Yonezu, Tetsuji Shinohara, Masaki Takahashi, Kei Hirota, Hidekazu Kondo, Akira Fukui, Hidefumi Akioka, Yasushi Teshima, Kunio Yufu, Mikiko Nakagawa, Naohiko Takahashi
Oita University, Japan

O4-2 Early Repolarization in Patients with Paroxysmal Atrial Fibrillation Is Associated with Nocturnal Symptoms and Vagal Tone

Yuki Hasegawa¹, Hirotaka Sugiura¹, Akiko Sanada¹, Asako Tomii¹, Shinsuke Okada¹, Kotaro Higuchi¹, Masaomi Chinushi², Takayuki Inomata³

¹*Niigata Medical Center, Japan*, ²*Niigata University, Japan*, ³*Niigata University Graduate School of Medical and Dental Sciences, Japan*

O4-3 Significant Conduction Delay Around Right Ventricular Outflow Tract Contributes to Complete Right Bundle Block Morphology in Brugada Syndrome

Yoshimasa Morimoto^{1,2}, Hiroshi Morita², Akira Ueoka², Saori Asada², Masakazu Miyamoto², Satoshi Kawada², Koji Nakagawa², Nobuhiro Nishii², Kazufumi Nakamura², Hiroshi Ito²

¹*Fukuyama City Hospital, Japan*, ²*Okayama University Graduate School of Medicine, Japan*

O4-4 A Novel Pathogenic Variant of SCN5A Verified by Functional Analysis in Sick Sinus Syndrome

Keisuke Usuda, Kenshi Hayashi, Shihe Cui, Takashi Kusayama, Toyonobu Tsuda, Takeshi Kato, Masayuki Takamura

Kanazawa University Graduate School of Medical Science, Japan

O4-5 Arrhythmic Risk is NOT Homogeneous in C-Terminal KCNQ1 Variants of Long QT Syndrome

Asami Kashiwa¹, Takeru Makiyama¹, Yuko Wada², Junichi Ozawa³, Takanori Aizawa¹, Tomohiko Imamura¹, Hai Huang¹, Jingshan Gao¹, Hirohiko Kohjitani¹, Seiko Ohno⁴, Minoru Horie⁵, Takeshi Kimura¹

¹*Kyoto University Graduate School of Medicine, Japan*, ²*Vanderbilt University Medical Center, USA*, ³*Niigata University Graduate School of Medical and Dental Sciences, Japan*, ⁴*National Cerebral and Cardiovascular Center, Japan*, ⁵*Shiga University of Medical Science, Japan*

Chair Masaharu Akao (*National Hospital Organization Kyoto Medical Center, Japan*)
Shinya Suzuki (*The Cardiovascular Institute, Japan*)

O5-1 Difference Among Oral Anticoagulants for Left Atrial Thrombus in Patients Before Catheter Ablation for Atrial Fibrillation

Takuya Kiyama, Honsa Kang, Keiichi Ashikaga, Yoshisato Shibata
Miyazaki Medical Association Hospital, Japan

O5-2 Feasibility and Safety of Uninterrupted Peri-procedural Warfarin Administration in Patients with Hemodialysis Undergoing Catheter Ablation for Atrial Fibrillation

Takahiro Hayashi, Masato Murakami, Takashi Yamada, Shingo Mizuno, Shigeru Saito
Shonan Kamakura General Hospital, Japan

- O5-3 Impact of Low-Dose or Under-Dose Direct Oral Anticoagulant on Coagulation and Fibrinolytic Markers in Patients with Atrial Fibrillation**
Tetsuya Watanabe¹, Koichi Tachibana², Yukinori Shinoda², Tomoko Minamisaka², Hirooki Inui², Keisuke Ueno², Soki Inoue², Shiro Hoshida²
¹Osaka General Medical Center, Japan, ²Yao Municipal Hospital, Japan
- O5-4 Feasibility of Temporary Switching from Factor Xa inhibitors to Dabigatran in the Perioperative Period of Catheter Ablation for Atrial Fibrillation**
Mitsuhiko Shoda, Akira Shimane, Hirotochi Ichibori, Mitsuaki Itoh, Kiminobu Yokoi, Yasuyo Taniguchi, Tomofumi Takaya, Hiroya Kawai
 Hyogo Brain and Heart Center, Japan
- O5-5 Different Kinetics of Activated Clotting Time Among Uninterrupted Oral Anticoagulants During Catheter Ablation Procedure**
Tetsuma Kawaji^{1,2}, Takanori Aizawa², Shun Hojo¹, Hidenori Yaku¹, Kenji Nakatsuma¹, Masashi Kato¹, Takafumi Yokomatsu¹, Shinji Miki¹
¹Mitsubishi Kyoto Hospital, Japan, ²Kyoto University Graduate School of Medicine, Japan

第7会場 (3F G316+G317)

Oral Presentation 6
 Ablation 心不全 1

8:30 ~ 9:30

Chair Atsushi Kobori (Kobe City Medical Center General Hospital, Japan)
 Haruna Tabuchi (Juntendo Nerima Hospital, Japan)

- O6-1 Efficacy and Safety of Catheter Ablation Therapy for Atrial Fibrillation in Heart Failure Patients: A Subanalysis from ALCOHOL-AF Study**
Yasuhiro Sasaki¹, Yoshihide Takahashi⁹, Atsushi Kobori¹, Junichi Nitta², Yuichiro Sakamoto³, Yasutoshi Nagata⁴, Kojiro Tanimoto⁵, Seiichiro Matsuo⁶, Teiichi Yamane⁷, Norishige Morita⁸, Kazuhiro Satomi⁹, Osamu Inaba², Masahiko Goya⁹, Tetsuo Sasano⁹
¹Kobe City Medical Center General Hospital, Japan, ²Saitama Red Cross Hospital, Japan, ³Toyohashi Heart Center, Japan, ⁴Japanese Red Cross Musashino Hospital, Japan, ⁵Tokyo Medical Center, Japan, ⁶The Jikei University Katsushika Medical Center, Japan, ⁷The jikei University School of Medicine, Japan, ⁸Tokai University Hachioji Hospital, Japan, ⁹Tokyo Medical and Dental University, Japan
- O6-2 Efficacy of Catheter Ablation for Paroxysmal Atrial Fibrillation in the Patients with Heart Failure Preserved Ejection Fraction**
Yukihiro Inamura¹, Osamu Inaba¹, Shin Meguro¹, Gaku Narita¹, Yohei Tamura¹, Yuhei Isonaga¹, Shunichi Kato¹, Toshikazu Kono¹, Hiroaki Ohya¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Ken Negi¹, Akira Sato¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Junichi Nitta², Masahiko Goya³, Tetsuo Sasano³
¹Saitama Red Cross Hospital, Japan, ²Sakakibara Heart Institute, Japan, ³Tokyo Medical and Dental University, Japan
- O6-3 Association of Extracellular Volume, Native T1 Mapping and Improvement of Left Ventricular Systolic Function After Catheter Ablation of Atrial Fibrillation in Patients with Non-Ischemic Cardiomyopathy**
Mitsuaki Itoh, Akira Shimane, Mitsuhiko Shoda, Hirotochi Ichibori, Kimitake Imamura, Kiminobu Yokoi, Tomofumi Takaya, Yasuyo Taniguchi, Hiroya Kawai
 Himeji Cardiovascular Center, Japan
- O6-4 Mechanical and Electrophysiological Atrial Function After the Mitral Annular Blockline Utilizing Anterior Line Versus Lateral Isthmus Line**
Suguru Nishiuchi, Takahiro Onoue, Tsukasa Motoyoshi, Yukihiro Hamaguchi, Maki Hamasaki, Hidenori Kojima, Hibiki Mima, Seita Yamasaki, Akinori Tamura, Shintaro Yamagami, Jiro Sakamoto, Keiichiro Yamane, Yodo Tamaki, Soichiro Enomoto, Makoto Miyake, Hirokazu Kondo, Toshihiro Tamura
 Tenri Hospital, Japan

O6-5 Effect of Hypertrophic Cardiomyopathy on Predicting both Thromboembolism and Heart Failure in Patients with Nonvalvular Atrial Fibrillation: The Analysis from the Hokuriku-Plus AF Registry

Toyonobu Tsuda¹, Kenshi Hayashi¹, Takeshi Kato¹, Keisuke Usuda¹, Takashi Kusayama¹, Akihiro Nomura¹, Hayato Tada¹, Soichiro Usui¹, Kenji Sakata¹, Masaaki Kawashiri¹, Masakazu Yamagishi², Masayuki Takamura¹
¹Kanazawa University Hospital, Japan, ²Osaka University of Human Sciences, Japan

Oral Presentation 7

Ablation 心不全 2

9:40 ~ 10:40

Chair Ritsushi Kato (Saitama Medical University International Medical Center, Japan)
Masahiro Ogawa (Fukuoka University Hospital, Japan)

O7-1 Catheter Ablation of Persistent Atrial Fibrillation with Heart Failure Improves Hemodynamic Status Without Deteriorating Renal Function Regardless of Age

Arihide Okahara, Ayano Hara, Akihito Noma, Hiroka Nakashima, Tsukasa Watanabe, Takuya Sakemi, Kosuke Okabe, Shunsuke Kawai, Masaki Tokutome, Hirohide Matsuura, Ryuichi Matsukawa, Seigo Masuda, Yasushi Mukai
Japanese Red Cross Fukuoka Hospital, Japan

O7-2 The Impact of Atrial Fibrillation on the Cognitive Deterioration in Heart Failure Patients: From the KUNIUMI Registry Acute Cohort

Soichiro Yamashita, Wataru Fujimoto, Mayuka Masuda, Yuta Kusakabe, Makoto Takemoto, Koji Kuroda, Junichi Imanishi, Masamichi Iwasaki, Takashi Todoroki, Masanori Okuda, Takatoshi Hayashi
Awaji Medical Center, Japan

O7-3 Does the Catheter Ablation Timing Affect Clinical Outcomes in AF Patients with Prior History of Heart Failure?

Yoshinari Enomoto¹, Yoshiyuki Yazaki¹, Yasutake Toyoda¹, Keijiro Nakamura¹, Hidehiko Hara¹, Masao Moroi¹, Kaoru Sugi², Masato Nakamura¹
¹Toho University Ohashi Medical Center, Japan, ²Odawara Cardiovascular Hospital, Japan

O7-4 Difference Between Paroxysmal and Persistent Atrial Fibrillation Ablation in Heart Failure Patients

Akira Fukui, Masaki Takahashi, Kazuki Mitarai, Kei Hirota, Hidekazu Kondo, Tetsuji Shinohara, Naohiko Takahashi
Oita University, Japan

O7-5 The Comparison of Long-Term Major Adverse Clinical Events Following Catheter Ablation for Atrial Fibrillation Between Patients with Heart Failure with Preserved- and Reduced-Ejection Fraction

Hironori Ishiguchi¹, Yasuhiro Yoshiga¹, Akihiko Shimizu², Masakazu Fukuda¹, Shohei Fujii¹, Masahiro Hisaoka¹, Shigeki Kobayashi¹, Masafumi Yano¹
¹Yamaguchi University Graduate School of Medicine, Japan, ²Ube-kohsan Central Hospital, Japan

Oral Presentation 8

Ablation 心不全 3

10:50 ~ 11:50

Chair Atsushi Iwasa (New Tokyo Hospital, Japan)
Yasushi Oginosawa (University of Occupational and Environmental Health, Japan)

O8-1 Short-Term Effects of Catheter Ablation on Patients with Persistent Atrial Fibrillation with Left Ventricular Systolic Dysfunction

Tatsuya Ota, Yuji Watari, Mina Hatsuno, Mutsuki Miyagawa, Akinori Kondo, Naoyuki Yokoyama, Ken Kozuma
Teikyo University Hospital, Japan

O8-2 Clinical Efficacy of Catheter Ablation for Atrial Fibrillation in Patients with Heart Failure

Kazuhiro Nagaoka, Ryoko Yada, Hideki Tashiro
St. Mary's Hospital, Japan

O8-3 Potential Predictors for Improvement of Isolated Diastolic Function in Patients with Paroxysmal Atrial Fibrillation Underwent Pulmonary Vein Isolation

Takashi Komatsu
Iwate Health Service Association, Japan

O8-4 Atrial Fibrillation Ablation in Heart Failure Patients

Kazuki Mitarai, Akira Fukui, Masaki Takahashi, Kei Hirota, Hidekazu Kondo, Tetsuji Shinohara, Naohiko Takahashi
Oita University Hospital, Japan

O8-5 Reverse Remodeling of Left Ventricular Function After Catheter Ablation in the Patients with Atrial Fibrillation with Mimic to Dilated Cardiomyopathy

Koki Fukasawa, Ken Umetani, Keita Sano, Toshiaki Yano, Miu Eguchi, Ryotaro Ishikawa
Yamanashi Prefectural Central Hospital, Japan

**Oral Presentation 9
Ablation CTI**

14:00 ~ 15:00

Chair Tomoo Harada (*St. Marianna University School of Medicine, Japan*)
Atsuhiko Yagishita (*Tokai University, Japan*)

O9-1 Epicardial Connection in Cavotricuspid Isthmus Ablation

Hitomi Yuzawa¹, Toshio Kinoshita², Toshinaru Kawakami¹, Masahiro Sekiguchi¹, Hideaki Nonaka¹, Taiki Ishizawa¹, Momoka Nakajima¹, Masaaki Nakase¹, Yusuke Watanabe¹, Naoto Setoguchi¹, Masaya Shinohara³, Yu Horiuchi¹, Masahiko Asami¹, Kazuyuki Yahagi¹, Kota Komiyama¹, Jun Tanaka¹, Jiro Aoki¹, Kengo Tanabe¹, Takanori Ikeda⁴

¹Mitsui Memorial Hospital, Japan, ²Toho University Sakura Medical Center, Japan, ³Toho University, Japan, ⁴Toho University Graduate School of Medicine, Japan

O9-2 Effect of Contact Vector Direction on Achieving Cavotricuspid Isthmus Block

Hitoshi Sumi, Tadashi Hoshiyama, Yusei Kawahara, Shozo Kaneko, Miwa Ito, Hisanori Kanazawa, Kenichi Tsujita
Kumamoto University, Japan

O9-3 Novel "Red-Bull" Sign During Cavotricuspid Isthmus Ablation: Implication for an Ablation Catheter Stuck in the Subeustachian Pouch

Moyuru Hirata, Koichi Nagashima, Yuji Wakamatsu, Naoto Otsuka, Satoshi Hayashida, Sayaka Kurokawa, Shu Hirata, Masanaru Sawada, Yasuo Okumura
Nihon University Itabashi Hospital, Japan

O9-4 Impact of Radiofrequency Application Power on Cavotricuspid Isthmus Ablation with a Fixed Target Ablation Index

Akio Chikata¹, Takeshi Kato², Shuhei Fujita³, Taiki Hashimoto¹, Kenji Emoto¹, Masafumi Hashimoto¹, Shintaro Matsuura¹, Kanichi Otowa¹, Michiro Maruyama¹, Masayuki Takamura², Kazuo Usuda¹

¹Toyama Prefectural Central Hospital, Japan, ²Kanazawa University Graduate School of Medical Science, Japan, ³Toyama Prefectural Central Hospital, Japan

O9-5 The Time to Reach the Minimum Freezing Temperature During Cryoablation Is a Predictor of First-Pass Conductional Block of Cavotricuspid Isthmus

Minoru Nodera, Kazuaki Amami, Shinya Yamada, Takashi Kaneshiro, Yasuchika Takeishi
Fukushima Medical University, Japan

Chair Masaomi Chinushi (*Niigata University, Japan*)
Yuki Komatsu (*University of Tsukuba Hospital, Japan*)

- O10-1 Increasing Lesion Dimensions of Bipolar Ablation by Modulating the Surface Area of the Return Electrode**
Koji Higuchi, Arwa Younis, Hagai Yavin, Israel Zilberman, Jakub Sroubek, Patrick Tchou, Zachary Bubar, Walid Saliba, Oussama Wazni, Elad Anter
Cleveland Clinic, USA
- O10-2 Optimal Contact Force Setting to Make Chronic Transmural Continuous Lesion using Recovery Pig Model**
Kosuke Onodera¹, Kennosuke Yamashita¹, Kazunori Sugimura¹, Yosuke Mizuno¹, Takehiro Nomura¹, Soichiro Usumoto², Jumpei Saito², Morio Ono², Wataru Igawa², Kisaki Amemiya³, Takaaki Matsuyama⁴
¹Sendai Kousei Hospital, Japan, ²Showa University Northern Yokohama Hospital, Japan, ³National Cerebral and Cardiovascular Center, Japan, ⁴Showa University, Japan
- O10-3 Application Mode Related Myocardial Excitation Recovery After Successful Radiofrequency (RF) Catheter Ablation**
Kyogo Fuse¹, Osamu Saitoh², Takumi Kasai¹, Hiroshi Furushima³, Masaomi Chinushi²
¹Niigata University Graduate School of Medical and Dental Sciences, Japan, ²Niigata University, Japan, ³Furushima Clinic, Japan
- O10-4 Impact of Various Ablation Conditions on Lesion Characteristics at a Constant Ablation Index Value: Ex vivo Experimental Study**
Takashi Ikenouchi, Masateru Takigawa, Masahiko Goya, Yuki Shimizu, Miki Amemiya, Tatsuaki Kamata, Tasuku Yamamoto, Takuro Nishimura, Susumu Tao, Shinsuke Miyazaki, Tetsuo Sasano
Tokyo Medical and Dental University, Japan
- O10-5 Optimization of Ablation Strategy Using Cardiac Simulator and Reinforcement Learning: in silico Verification of Principles and Construction of Ablation System for in vitro Experiment**
Hiroshi Seno¹, Naoki Tomii¹, Masatoshi Yamazaki^{1,2}, Nitaro Shibata³, Ichiro Sakuma¹
¹The University of Tokyo, Japan, ²Nagano Hospital, Japan, ³Shinjuku Mitsui Building Clinic, Japan

Chair Seiji Fukamizu (*Tokyo Metropolitan Hiroo Hospital, Japan*)
Yasushi Mukai (*Japanese Red Cross Fukuoka Hospital, Japan*)

- O11-1 Safety of Catheter Ablation Using Half-Normal Saline Irrigant for Ventricular Arrhythmias**
Yumi Katsume, Akiko Ueda, Hirotosugu Ikewaki, Takato Mohri, Ryota Isogai, Mika Tashiro, Noriko Nonoguchi, Kyoko Hoshida, Yosuke Miwa, Ikuko Togashi, Seiichiro Matsuo, Akiko Maeda, Yo Hagiwara, Toshiaki Sato, Kyoko Soejima
Kyorin University, Japan
- O11-2 Long-Duration Potentials Around the Most Delayed Conduction Sites on the Ventricular Electrical Substrate Are Associated with Ventricular Tachycardia Circuits**
Kazumasa Suga, Yasuya Inden, Noriyuki Suzuki, Naoki Tsurumi, Ryo Watanabe, Toshifumi Nakagomi, Masafumi Shimojo, Takashi Okajima, Satoshi Yanagisawa, Toyooki Murohara
Nagoya University Graduate School of Medicine, Japan

- O11-3 Left Ventricular Endocardial Ablation for Ventricular Arrhythmias Originated from the Left Ventricular Summit : Is It Enough or Not?**
Takuro Masuda, Koji Nakagawa, Tomofumi Mizuno, Takashi Nishimoto, Akira Ueoka, Saori Asada, Masakazu Miyamoto, Satoshi Kawada, Nobuhiro Nishii, Hiroshi Morita, Hiroshi Ito
Okayama University, Japan
- O11-4 Safety and Efficacy of Impedance Decline Guide Power Control Bipolar Radiofrequency Catheter Ablation**
Osamu Saitoh¹, Kyogo Fuse², Takumi Kasai², Hiroshi Furushima³, Masaomi Chinushi¹
¹*Niigata University, Japan*, ²*Niigata University Graduate School of Medical and Dental Sciences, Japan*,
³*Furushima Clinic, Japan*
- O11-5 Initial Experience of Novel Over the Wire Type Decapolar Catheter for Ventricular Arrhythmias Originating from Left Ventricular Summit**
Shogo Miyamoto, Yosaku Okubo, Yodo Odake, Yukimi Uotani, Naoto Oguri, Shunsuke Miyauchi, Yoshihiro Ikeuchi, Sho Okamura, Takehito Tokuyama, Yukiko Nakano
Hiroshima University, Japan

Oral Presentation 12

Ablation VT2

17:30 ~ 18:40

Chair Mitsuharu Kawamura (*Makita General Hospital, Japan*)
Naotaka Hashiguchi (*Japanese Red Cross Narita Hospital, Japan*)

- O12-1 Pulsed-Field Ablation in Ventricular Myocardium Using a Focal Catheter: The Impact of Application Repetition on Lesion Dimensions**
Koji Higuchi, Hagai Yabin, Jakub Sroubek, Arwa Younis, Israel Zilbermanisrael, Elad Anter
Cleveland Clinic, USA
- O12-2 The Characteristics of Abnormal Ventricular Signature in Ischaemic and Non-Ischaemic Cardiomyopathies**
Kenzaburo Nakajima
San Raffaele Hospital, Italy
- O12-3 演題は取り下げられました。**
- O12-4 New Normal Definition of Left-Ventricular Bipolar-Voltage Recorded by QDOT Micro Catheter**
Masanaru Sawada, Koichi Nagashima, Yuji Wakamatsu, Naoto Otsuka, Satoshi Hayashida, Shu Hirata, Moyuru Hirata, Sayaka Kurokawa, Yasuo Okumura
Nihon University, Japan
- O12-5 Regulation for Patient Safety in Stereotactic Body Radiotherapy for Ventricular Tachycardia**
Mari Amino^{1,2}, Shigeto Kabuki¹, Etsuo Kunieda¹, Jun Hashimoto¹, Tetsuri Sakai¹, Susumu Sakama¹, Kengo Ayabe¹, Atsuhiko Yagishita¹, Akitomo Sugawara¹, Yuji Ikari¹, Koichiro Yoshioka¹
¹*Tokai University, Japan*, ²*QST Hospital, Japan*
- O12-6 Left Ventricular Extracellular Volume Assessed Using CMR T1 Mapping Associated with Ventricular Arrhythmia in Patients with Non-Ischemic Cardiomyopathy**
Susumu Tao, Yuki Shimizu, Miki Amemiya, Tatsuaki Kamata, Takashi Ikenouchi, Tasuku Yamamoto, Takuro Nishimura, Takamitsu Takagi, Masateru Takigawa, Shinsuke Miyazaki, Masahiko Goya, Tetsuo Sasano
Tokyo Medical and Dental University, Japan

Oral Presentation 13

Device ICD 1

8:30 ~ 9:30

Chair Toshiyuki Furukawa (*St. Marianna University Toyoko Hospital, Japan*)
Takanori Arimoto (*Yamagata University, Japan*)

- O13-1 Therapy Sustainability of Japanese Patients in HINODE Study**
Kenji Ando¹, Takanori Ikeda², Takeshi Mitsuhashi³, Toyoaki Murohara⁴, Nobuhiro Nishii⁵, Akihiko Nogami⁶, Yasushi Sakata⁷, Wataru Shimizu⁸, Torri Simon⁹, Torsten Kayser⁹, Kazutaka Aonuma⁶
¹Kokura Memorial Hospital, Japan, ²Toho University, Japan, ³Hoshi General Hospital, Japan, ⁴Nagoya University, Japan, ⁵Okayama University, Japan, ⁶University of Tsukuba, Japan, ⁷Osaka University, Japan, ⁸Nippon Medical School, Japan, ⁹Boston Scientific Corporation
- O13-2 Right Ventricular Systolic Function as a Predictor of Appropriate ICD Therapy**
Toshinori Chiba, Takatsugu Kajiyama, Yutaka Yoshino, Satoko Ryuzaki, Masafumi Sugawara, Mari Kitagawa, Ryo Ito, Miyo Nakano, Masahiro Nakano, Yusuke Kondo, Yoshio Kobayashi
Chiba University Graduate School of Medicine, Japan
- O13-3 Where Is the Wasted Implantable Cardioverter Defibrillator for Secondary Prevention?**
So Otsuki, Daisuke Izumi, Naomasa Suzuki, Takahiro Hakamata, Yuta Sakaguchi, Yasuhiro Ikami, Nobue Yagihara, Kenichi Iijima, Masaomi Chinushi, Takayuki Inomata
Niigata University Graduate School of Medical and Dental Sciences, Japan
- O13-4 Multiple Elevation of HeartLogic Predict Prognosis**
Yoshifumi Ikeda, Ritsushi Kato, Kenta Tsutsui, Hitoshi Mori, Sayaka Tanaka, Daisuke Kawano, Risa Kanai, Yoshitaka Terazaki, Tomonori Takeda, Kazuo Matsumoto
Saitama Medical University International Medical Center, Japan

Oral Presentation 14

Device ICD 2

9:40 ~ 10:40

Chair Yoshihisa Abe (*Akita City Hospital, Japan*)
Yuji Muraoka (*Tsuchiya General Hospital, Japan*)

- O14-1 Clinical Impact of Circadian Patterns in Electrical Storm**
Naomasa Suzuki¹, So Otsuki¹, Daisuke Izumi¹, Takahiro Hakamata¹, Yuta Sakaguchi¹, Yasuhiro Ikami¹, Nobue Yagihara¹, Kenichi Iijima¹, Masaomi Chinushi², Takayuki Inomata¹
¹Niigata University Graduate School of Medical and Dental Sciences, Japan, ²Niigata University, Japan
- O14-2 Comparison of Mid-Term Clinical Outcomes Between Subcutaneous Implantable Cardioverter-Defibrillator with Smart Pass Technology and Transvenous Implantable Cardioverter-Defibrillator Therapy**
Shingo Sasaki, Yuji Ishida, Yuichi Toyama, Kimitaka Nishizaki, Takahiko Kinjo, Taihei Itoh, Masaomi Kimura, Shogo Hamaura, Hirofumi Tomita
Hirosaki University Graduate School of Medicine, Japan
- O14-3 Initial Clinical Experience with a New Automated Anti-Tachycardia Pacing Algorithm**
Yuji Ishida, Shingo Sasaki, Shogo Hamaura, Yuichi Toyama, Kimitaka Nishizaki, Takahiko Kinjo, Taihei Itoh, Masaomi Kimura, Hirofumi Tomita
Hirosaki University, Japan

O14-4 The Characteristics of Electrocardiography in Patients with Noise Events Recorded by Wearable Cardioverter-Defibrillator

Masakazu Fukuda¹, Yasuhiro Yoshiga¹, Hironori Ishiguchi¹, Shohei Fujii¹, Masahiro Hisaoka¹, Tomoyuki Uchida¹, Takuya Omuro¹, Takeshi Ueyama², Akihiko Shimizu³, Masafumi Yano¹

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

O14-5 Prediction of Ventricular Arrhythmia Events by HeartLogic Multisensor Score in Patients with an Implantable Cardioverter-Defibrillator

Yuta Morioka, Shohei Kataoka, Kyoichiro Yazaki, Miwa Kanai, Daigo Yagishita, Koichiro Ejima, Morio Shoda, Nobuhisa Hagiwara

Tokyo Women's Medical University, Japan

Oral Presentation15

Device Others

10:50 ~ 11:50

Chair Takashi Yamada (*Takaishi-fujii Cardiovascular Hospital, Japan*)
Hitoshi Minamiguchi (*Osaka Police Hospital, Japan*)

O15-1 Pacemaker Implantation During COVID-19 Period and Risk Factor for Atrioventricular Block

Junya Hosoda, Toshiyuki Ishikawa, Mitsuho Inoue, Yuka Taguchi, Masatoshi Narikawa, Yoshinori Okazaki, Koichi Tamura

Yokohama City University Hospital, Japan

O15-2 Clinical Experience of Lead Extraction Procedure Using an Audiovisualtelesupport System

Ayako Okada, Ken Kato, Hiroaki Tabata, Wataru Shoin, Hideki Kobayashi, Takahiro Okano, Koji Yoshie, Morio Shoda

Shinshu University Hospital, Japan

O15-3 Double Clip Strategy: Could It Be a Novel Treatment for Atrial Functional Mitral Regurgitation?

Naoko Ikeda, Naoki Aizawa, Takahiro Furuya, Miwa Kikuchi, Kohei Wakabayashi, Hiroki Yamaguchi, Kaoru Tanno

Showa University Koto Toyosu Hospital, Japan

O15-4 Transition from WATCHMAN to WATCHMAN FLX for Percutaneous Left Atrial Appendage Occlusion

Ryuki Chatani, Hiroshi Tasaka, Shunsuke Kubo, Masanobu Ohya, Kazunori Mushiake, Keigo Miyajima, Sachiyo Ono, Takeshi Maruo, Kazushige Kadota

Kurashiki Central Hospital, Japan

O15-5 Catheter Ablation Combined with Transcatheter Edge-to-Edge Repair (MitraClip) for Atrial Fibrillation with Severe Mitral Regurgitation

Takashi Hiruma, Yukio Sekiguchi, Mike Saji, Itaru Takamisawa, So Asano, Yuki Izumi, Hiroshi Fukunaga, Ryosuke Higuchi, Takahiko Nagase, Mamoru Nanasato, Morimasa Takayama, Junichi Nitta, Mitsuaki Isobe

Sakakibara Heart Institute, Japan

Chair Hiroki Shimizu (*Konan Medical Center, Japan*)
Michio Ogano (*Shizuoka Medical Center, Japan*)

- O16-1 Does Shortening QRS Width Always Correlate with Hemodynamic Improvement in CRT?**
Masakazu Miyamoto, Nobuhiro Nishii, Tomofumi Mizuno, Takashi Nishimoto, Takuro Masuda, Akira Ueoka, Saori Asada, Satoshi Kawada, Koji Nakagawa, Kazufumi Nakamura, Hiroshi Morita, Hiroshi Ito
Okayama University Graduate School of Medicine, Japan
- O16-2 Effect of CRT-Induced QRS Complex Shortening on Survival in Patients with Left Bundle Branch Block and Non-Left Bundle Branch Block**
Ryo Ito, Yusuke Kondo, Masahiro Nakano, Takatsugu Kajiyama, Miyo Nakano, Mari Kitagawa, Masafumi Sugawara, Toshinori Chiba, Satoko Ryuzaki, Yutaka Yoshino, Yoshio Kobayashi
Chiba University Graduate School of Medicine, Japan
- O16-3 A Proposed Criteria for Left Bundle Branch Capture Utilizing R-Wave Peak Time of Intrinsic QRS and Left Ventricular Activation Time During His Bundle Pacing**
Ayaka Keshi, Taku Nishida, Junichi Sugiura, Hiroki Yano, Hitoshi Nakagawa, Tomoya Ueda, Ayako Senoo, Kenji Onoue, Makoto Watanabe, Yoshihiko Saito
Nara Medical University, Japan
- O16-4 Implant Success Rate and Long-Term Clinical Outcome of Permanent His-Bundle Pacing for Patients with Complete Atrioventricular Block**
Daisuke Yoshimoto, Yuichiro Sakamoto, Ryo Yamaguchi, Hirotada Hoshino, Takahiko Suzuki
Toyohashi Heart Center, Japan

Chair Shingo Sasaki (*Hirosaki University Graduate School of Medicine, Japan*)
Masanao Nakai (*Shizuoka City Shizuoka Hospital, Japan*)

- O17-1 Impact of Catheter Ablation on the Efficacy of Atrial Antitachycardia Pacing for Atrial Tachyarrhythmias**
Kosuke Nakasuka¹, Satoru Sekimoto², Marina Kato¹, Kento Mori¹, Toshihiko Goto¹, Takeshi Suzuki³, Yoshimasa Murakami², Yoshihiro Seo¹
¹Nagoya City University Graduate School of Medical Sciences, Japan, ²Nagoya City University East Medical Center, Japan, ³Toyokawa City Hospital, Japan
- O17-2 How to Manage Subclinical Atrial Fibrillation Detected by Remote Monitoring System: Our Efforts to Address SCAF**
Yuko Miki, Tsutomu Nakajima, Kaori Ando, Takuya Tsunoda, Ryoya Takizawa, Kohki Kimura, Yumiko Haraguchi, Wataru Sasaki, Shingo Yoshimura, Shohei Kishi, Kenichi Kaseno, Takehito Sasaki, Yosuke Nakatani, Koji Goto, Yutaka Take, Kohki Nakamura, Shigeto Naito
Gunma Prefectural Cardiovascular Center, Japan
- O17-3 A Novel Style of an Outpatient Clinic Utilizing a Combination of Telehealth and Real-Time ECG Monitoring in Patients After the Catheter Ablation**
Mitsuru Takami, Koji Fukuzawa, Kunihiro Kiuchi, Hiroyuki Takahara, Jun Sakai, Atsusuke Yatomi, Toshihiro Nakamura, Yusuke Sonoda, Kazutaka Nakasone, Kyoko Yamamoto, Yuya Suzuki, Kenichi Tani, Hidehiro Iwai, Yusuke Nakanishi, Kenichi Hirata
Kobe University Graduate School of Medicine, Japan

O17-4 Consideration of the Usefulness of 7-Day Holter Monitoring After Ablation of Atrial Fibrillation

Mariko Tanaka, Shinya Hayashi, Takahiro Yasuda, Ryota Kida, Junichi Ooka, Yoshiaki Shimoda, Tetsuya Tanaka, Morihiko Kondo

JCHO Kobe Central Hospital, Japan

Oral Presentation 18 Device Monitoring 2

16:20 ~ 17:20

Chair Yoshihiro Seo (*Nagoya City University Graduate School of Medical Sciences, Japan*)
Tomoyuki Kabutoya (*Jichi Medical University, Japan*)

O18-1 Characteristics of Biometric Factors Related to Acute Decompensated Heart Failure with Cardiovascular Implantable Electronic Devices

Tomoaki Nakano, Takafumi Oka, Kentaro Ozu, Isamu Mizote, Hiroya Mizuno, Tomohito Ohtani, Shungo Hikoso, Yasushi Sakata

Osaka University Graduate School of Medicine, Japan

O18-2 Prospective Analysis of HeartLogic Multisensor Algorithm for Heart Failure Management: A Single Center Study

Takuo Tsurugi, Ken Okumura, Fumitaka Onishi, Kodai Negishi, Akino Yoshimura, Hideharu Okamoto, Yasuaki Tanaka, Junjiroh Koyama

Saiseikai Kumamoto Hospital, Japan

O18-3 Clinical Predictors of Pacing Device Implantation in Patients Who Received an Implantable Cardiac Monitor for Unexplained Syncope: Analysis Using the JROAD-DPC Database

Reina Tonegawa-Kuji, Yuko Inoue, Michikazu Nakai, Koshiro Kanaoka, Yoshitaka Iwanaga, Kengo Kusano

National Cerebral and Cardiovascular Center, Japan

O18-4 Pitfalls of Implantable Loop Recorders in Patients with Unknown Syncope: No Traces During Ventricular Fibrillation Terminated by DC Shock

Mihoko Kawabata¹, Shingo Maeda¹, Fusae Doi¹, Yuji Nakazato², Hirotsugu Atarashi³, Kenzo Hirao¹

¹AOI Universal Hospital, Japan, ²Sakakibara Sapia Tower Clinic, Japan, ³AOI Hachioji Hospital, Japan

O18-5 Important Warning on Delayed Vasovagal Response with Reflex Syncope in Covid-19 Vaccination

Bonpei Takase^{1,2}, Katsumi Hayashi¹, Satoko Takei¹, Tetsuya Hisada¹, Nobuyuki Masaki², Masayoshi Nagata¹

¹Iruma Heart Hospital, Japan, ²National Defense Medical College, Japan

Oral Presentation 19 Device Monitoring 3

17:30 ~ 18:30

Chair Makoto Suzuki (*Yokohama Minami Kyosai Hospital, Japan*)
Kenji Ando (*Kokura Memorial Hospital, Japan*)

O19-1 Impact of Cardioembolic Stroke Events in Patients with New-Onset Atrial Fibrillation Detected by Cardiac Implantable Electronic Devices

Miyo Nakano, Yusuke Kondo, Masahiro Nakano, Takatsugu Kajiyama, Ryo Ito, Mari Kitagawa, Masafumi Sugawara, Toshinori Chiba, Satoko Ryuzaki, Yutaka Yoshino, Yoshio Kobayashi

Chiba University Graduate School of Medicine, Japan

O19-2 The Association Between IHB Burden and Left Atrial Remodeling Using a Home Blood Pressure Monitor in Patient with AF

Hiroaki Watanabe, Tomoyuki Kabutoya, Takafumi Okuyama, Ayako Yokota, Masashi Kamioka, Takahiro Komori, Tomonori Watanabe, Yasushi Imai, Kazuomi Kario

Jichi Medical University Hospital, Japan

O19-3 Left Atrial Volume Index Predicts AF Duration Detected by Continuous Monitoring, Suggesting the AF Detection Marker

Hironobu Sumiyoshi, Hiroshi Tasaka, Kenta Yoshida, Ryuki Chatani, Atsushi Sakata, Mitsuru Yoshino, Kazushige Kadota
Kurashiki Central Hospital, Japan

O19-4 The Effect of Remote Monitoring Depends on Management Staff and System Status

Miho Sugitani, Takanao Mine, Ryo Kitagaki, Eiji Fukuhara, Masaharu Ishihara
Hyogo College of Medicine, Japan

第11会場 (4F G414+G415)

Oral Presentation 20

Ablation AFアブレーションマッピング 1

8:30 ~ 9:30

Chair Koji Kumagai (*Tohoku Medical and Pharmaceutical University, Japan*)
Kazuaki Kaitani (*Otsu Red Cross Hospital, Japan*)

O20-1 Comparisons of The Electrophysiological Features in Epicardial Connection and Gap Connection Using an Ultra-High-Density Mapping System

Toshio Kinoshita¹, Yuta Sugizaki¹, Takushi Ikeda¹, Takahiro Nakagami¹, Kazuhiro Shimizu¹, Takanori Ikeda²
¹*Toho University Sakura Medical Center, Japan*, ²*Toho University Graduate School of Medicine, Japan*

O20-2 Catheter Ablation for the Overlapping Area of High Degree of Fragmented Potentials and High Dominant Frequency Value for Persistent Atrial Fibrillation

Yosuke Murase, Yasuhiro Ogawa, Hajime Imai, Naoaki Kano, Keita Mamiya, Tomoyo Ikeda, Kei Okabe, Kiichi Miyamae, Shinji Yamazoe, Jun Torii, Kazuyuki Yamanaka, Katsuhiko Kawaguchi
Komaki City Hospital, Japan

O20-3 Initial Results of Ablation by CARTO FINDER for P-AF

Kenji Enta
Hokuto Hospital, Japan

O20-4 The Assessment of Dominant Frequency During Atrial Fibrillation: Comparison to Complex Fractionated Atrial Electrograms and Local Atrial Activated Signals

Seigo Yamashita, Ryohsuke Narui, Masaaki Yokoyama, Hirotsuna Oseto, Hidenori Sato, Mika Kato, Shinichi Tanigawa, Michifumi Tokuda, Michihiro Yoshimura, Teiichi Yamane
The jikei University School of Medicine, Japan

O20-5 Efficacy of Escape Mapping to Locate Conduction Gaps in Catheter Ablation for Atrial Fibrillation

Yasuhiro Ikami¹, Daisuke Izumi¹, Naomasa Suzuki¹, Yuta Sakaguchi¹, Takahiro Hakamata¹, Yuki Hasegawa¹, So Otsuki¹, Kenichi Iijima¹, Nobue Yagihara¹, Masaomi Chinushi², Takayuki Inomata¹
¹*Niigata University Graduate School of Medical and Dental Sciences, Japan*, ²*Niigata University, Japan*

Chair Kazuo Usuda (*Toyama Prefectural Central Hospital, Japan*)
Akio Fukui (*Yamagata Prefectural Central Hospital, Japan*)

- O21-1 Fractionated Signal Areas in the Atrial Muscle (FAAM) Ablation After Pulmonary Vein Isolation Was Effective for Refractory Atrial Fibrillation**
Shota Iseki, Shinji Kaneko, Keisuke Iwata, Shin Nagai, Kiyota Kondo, Ryota Yamauchi, Hitomi Hori, Tomoaki Haga, Yosuke Tatami, Masaya Fujita, Taiki Ohashi, Ryuji Kubota, Masanori Shinoda
Toyota Kosei Hospital, Japan
- O21-2 Ablation Strategy for Complex Left Atrial Tachycardia Analyzed by High-Resolution Mapping System**
Yutaka Take, Kohki Nakamura, Yosuke Nakatani, Ryoya Takizawa, Kohki Kimura, Wataru Sasaki, Yumiko Haraguchi, Shohei Kishi, Shingo Yoshimura, Takehito Sasaki, Yuko Miki, Koji Goto, Kenichi Kaseno, Shigeto Naito
Gunma Prefectural Cardiovascular Center, Japan
- O21-3 Identification of Anisotropic Conduction Within the Pulmonary Veins by a Differential Pacing Method After Bidirectional Pulmonary Vein Isolation**
Ryobun Yasuoka, Motohide Tanaka, Masahiro Maruyama, Takashi Kurita
Kindai University, Japan
- O21-4 Feasibility and Limitation of Novel Temperature-Controlled Pulmonary Vein Isolation with QDOT Micro Catheter and QMODE Module Under Ablation Index Guidance**
Kodai Negishi, Ken Okumura, Hideharu Okamatsu, Yasuaki Tanaka, Takuo Tsurugi, Junjiroh Koyama
Saiseikai Kumamoto Hospital, Japan
- O21-5 Clinical Outcome of Patients with Dissociated Fibrillation After Atrial Fibrillation Catheter Ablation**
Hirohide Matsuura, Ayano Hara, Hiroshi Kisanuki, Akihito Noma, Hiroka Nakashima, Tsukasa Watanabe, Takuya Sakemi, Kosuke Okabe, Arihide Okahara, Shunsuke Kawai, Masaki Tokutome, Ryuichi Matsukawa, Seigo Masuda, Yasushi Mukai
Japanese Red Cross Fukuoka Hospital, Japan

Chair Takeshi Sasaki (*National Disaster Medical Center, Japan*)
Tsuyoshi Mishima (*NHO Osaka National Hospital, Japan*)

- O22-1 Unipolar Voltages Along Pulmonary Vein Isolation Line Had Stronger Correlation with Left Atrial Wall Thickness than Bipolar Voltages and Predict Atrial Fibrillation Recurrence**
Masashi Kamioka, Tomonori Watanabe, Hiroaki Watanabe, Takafumi Okuyama, Ayako Yokota, Takahiro Komori, Tomoyuki Kabutoya, Yasushi Imai, Kazuomi Kario
Jichi Medical University, Japan
- O22-2 Atrial Activation Deceleration: A New Insight for Substrate Detection**
Yuta Taomoto¹, Tomofumi Nakamura¹, Yuma Yamakawa¹, Kuniyoshi Sato¹, Tatsuya Fujinami¹, Takashi Shibui¹, Akihiro Hata¹, Masahiko Goya², Tetsuo Sasano²
¹Toshima Hospital, Japan, ²Tokyo Medical and Dental University Hospital, Japan

O22-3 Characteristics of Spatial Distribution of Rotors in Non-Paroxysmal Atrial Fibrillation Patients Refractory to Pulmonary Vein Isolation: ExTRa Mapping Project

Yusuke Okuyama, Tomoya Ozawa, Yusuke Fujii, Koichi Kato, Yoshihisa Sugimoto, Yoshihisa Nakagawa, Takashi Ashihara

Shiga University of Medical Science, Japan

O22-4 Delineation of Conduction Gaps of Linear Lesions in the Left Atrium During Radiofrequency Catheter Ablation of Atrial Fibrillation Using Ultra-High-Density Mapping

Kenji Hashimoto, Hiroshi Miyama, Yuta Seki, Susumu Ibe, Terumasa Yamashita, Taishi Fujisawa, Yoshinori Katsumata, Takehiro Kimura, Seiji Takatsuki

Keio University, Japan

O22-5 The Correlation Between Local Impedance Drop and Catheter Contact in Clinical Practice

Koji Yasumoto, Yasuyuki Egami, Noriyuki Kobayashi, Ayako Sugino, Masaya Kusuda, Takashige Sakio, Hiroaki Nohara, Shodai Kawanami, Hiroki Sugae, Kohei Ukita, Akito Kawamura, Hitoshi Nakamura, Yutaka Matsuhira, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga-Lee, Masamichi Yano, Masami Nishino, Jun Tanouchi

Osaka Rosai Hospital, Japan

**メディカルプロフェッショナル口述演題1
アブレーション1**

13:50 ~ 14:50

座長 前川 正樹 (おもと会大浜第一病院診療技術部臨床工学科)
富沢 直樹 (さいたま赤十字病院臨床工学技術課)

MPO1-1 3D Mapping正確性の向上のために

辻川 圭亮¹, 金子 鎮二², 藤田 雅也²

¹豊田厚生病院臨床工学室, ²豊田厚生病院循環器内科

MPO1-2 前胸部に貼付した対極板は食道合併症対策に有用か

山田 浩昭¹, 山崎 継敬²

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科

MPO1-3 アブレーションカテテル電位のノイズ対策について

大庭 光三郎¹, 松尾 吏花¹, 徳満 祐次¹, 横山 智美¹, 杉村 侑樹¹, 西留 幸一郎¹, 康 憲史², 木山 卓也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

MPO1-4 CARTO®システム使用中に生じたグラム固定現象に対する実験的検証

山口 康太¹, 湯澤 ひとみ², 野畑 慎太郎¹, 中村 友美¹, 安里 奈美樹¹, 押方 翼¹, 高橋 智宏¹, 石井 和行¹, 川上 俊成², 石沢 太基², 中島 百香², 篠原 正哉³, 木下 利雄⁴, 田邊 健吾², 池田 隆徳⁵

¹三井記念病院MEサービス部, ²三井記念病院循環器内科, ³東邦大学医学部内科学講座循環器内科学分野, ⁴東邦大学医療センター佐倉病院循環器センター内科, ⁵東邦大学大学院医学研究科循環器内科学

座長 大久保 健史 (横須賀共済病院)
丹生 治司 (小倉記念病院検査技師部)

MPO2-1 心房期外収縮へのアブレーションにPattern Match機能が有用であった2例

藤岡 真功¹, 祖父江 嘉洋², 浅井 崇史¹, 明周 義友¹, 阪野 有希菜¹, 西尾 早江貴¹, 渡邊 英一²
¹藤田医科大学ばんだね病院臨床検査部, ²藤田医科大学ばんだね病院循環器内科

MPO2-2 HD Wave Solution vs. Omnipolar Technology : 取得ポイント数の検討

濱崎 誠之¹, 権守 信哉¹, 新里 樹¹, 吉田 あすか¹, 倉田 孟¹, 倉田 優美¹, 大久保 健史²
¹横須賀共済病院臨床工学科, ²横須賀共済病院循環器内科

MPO2-3 心房頻拍回路のGap部位同定に対するCARTO3 Coherent MapのSNO Zone設定とPoint Projectionの有用性の検討

室岡 諭岐¹, 原田 誠一¹, 野口 彩花¹, 洞内 響¹, 納口 英次¹, 大塚 崇之², 八木 直治², 有田 卓人², 廣田 尚美²
¹心臓血管研究所附属病院ME室, ²心臓血管研究所附属病院循環器内科

MPO2-4 RHYTHMIA® Mapping Systemを使用した房室回帰性頻拍に対するマッピングと成功通電部位の関係について

荒川 茉由¹, 假屋 成耕¹, 城下 貴臣¹, 衣笠 良佑¹, 曾輪 速斗¹, 新居 卓¹, 吉谷 和泰²
¹兵庫県立尼崎総合医療センター臨床工学課, ²兵庫県立尼崎総合医療センター循環器内科

MPO2-5 EnSite XにおけるPRS-Pのアラート条件の検証

春木 康伸¹, 北村 凌一¹, 川嶋 春花¹, 三浦 卓也², 福田 康司², 櫻井 聖一郎³
¹北海道循環器病院臨床検査科, ²北海道循環器病院臨床工学科, ³さっぽろ不整脈クリニック

メディカルプロフェッショナル口述演題3 モニタリング1

座長 辻井 正人 (三重ハートセンター診療支援部臨床検査科)
服部 和子 (国立循環器病研究センター看護部)

MPO3-1 遠隔モニタリングデータ共有による外来診療への有用性の検討

鈴木 まどか
順天堂大学大学院循環器内科学講座

MPO3-2 遠隔モニタリングアラート対応の診療看護師介入の試み

関口 奈津子¹, 井上 完起², 榛葉 恵¹, 晴山 信子¹, マレン 真理子¹, 田邊 敬子¹, 辻 孝子¹, 黒瀬 麻由果³, 高野 梨絵³, 岡崎 真紀子³, 浅野 奏², 間淵 圭², 福永 寛², 長瀬 宇彦², 関口 幸夫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, ³榊原記念病院臨床工学科

MPO3-3 遠隔モニタリングにおけるSOPの運用：アラート受信・解析・報告まで

脇田 亜由美¹, 佐藤 綾乃¹, 洞垣内 拓也¹, 長瀬 弘行¹, 奥村 一史¹, 新田 功児¹, 浅井 徹², 梅本 紀夫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

MPO3-4 当院におけるHeart Logic機能の心不全入院予測力

田藤 幸樹¹, 中村 有希¹, 楠本 繁崇¹, 峰松 佑輔¹, 宇留野 達彦¹, 田中 勇真¹, 高階 雅紀¹, 岡 崇史², 小津 賢太郎², 中野 智彰², 水野 裕八², 坂田 泰史²
¹大阪大学医学部附属病院医療技術部臨床工学部門, ²大阪大学大学院医学系研究科循環器内科学

MPO3-5 多職種連携による遠隔モニタリングシステムを用いた心不全管理

仲井 莉加¹, 割田 俊一郎², 大島 功丈², 石原 真由美³, 加治屋 貴裕¹, 尾関 貴紀¹, 川地 雅¹, 佐橋 広信¹

¹岐阜県総合医療センター臨床工学部, ²岐阜県総合医療センター循環器内科, ³岐阜県総合医療センター看護部

第2日目 6月9日 木曜日

第6会場 (3F G314+G315)

Oral Presentation 23

Ablation AF再発

8:30 ~ 9:30

Chair Taishi Kuwahara (*Tokyo Heart Rhythm Clinic, Japan*)
Asumi Takei (*Nagasaki University Hospital, Japan*)

O23-1 Early Recurrence Were Important Factors Related to Late Recurrence After Multiple Ablations for Atrial Fibrillation

Yoichiro Iwasaki, Yoshiaki Inoue, Kinya Shiota, Hiroshige Ishii, Takashi Shimizu, Daiki Tsujimoto, Fumiyasu Hirano

Matsue Red Cross Hospital, Japan

O23-2 Evaluation of Recurrence After Catheter Ablation in Patients with Non-Paroxysmal Atrial Fibrillation

Atsushi Kuraishi, Fumiharu Miura, Ryuhei Sanada, Kotaro Hamamoto, Shogo Matsui, Naoya Hironobe, Nozomu Oda, Yoji Urabe, Naoya Mitsuba, Takayuki Hidaka, Hironori Ueda

Hiroshima Prefectural Hospital, Japan

O23-3 High Threshold of Internal Defibrillation Prior to Atrial Fibrillation Ablation Predicts Recurrence in the Long-Term Follow-Up

Asumi Takei¹, Masafumi Takeda², Hiroyuki Takahara², Shuji Arakawa¹, Yoshiyuki Doi¹, Satoki Fukae¹, Kenzo Fukuhara², Akira Kimata², Nobutaka Inoue², Satoshi Ikeda¹, Hiroaki Kawano¹, Koji Maemura¹

¹*Nagasaki University Hospital, Japan*, ²*Kobe Rosai Hospital, Japan*

O23-4 Relationship Between the Shape of Left Atrial Roof and Recurrence After Radiofrequency Catheter Ablation of Atrial Fibrillation

Yukihiro Uehara, Kazuo Kato, Shun Kikuchi, Shin Hasegawa, Nobuo Ishiguro, Akimitsu Tanaka, Miyuki Ando, Hidekazu Aoyama, Hiroko Goto, Ryosuke Kametani

Nagoya Tokushukai General Hospital, Japan

O23-5 The Relationship of Unexpected Intraprocedural Atrial Fibrillation and Clinical Outcomes of Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

Honsa Kang, Takuya Kiyama, Keiichi Ashikaga, Yoshisato Shibata

Miyazaki Medical Association Hospital, Japan

Oral Presentation 24

Ablation ACHD

9:40 ~ 10:40

Chair Keiko Toyohara (*Tokyo Women's Medical University, Japan*)
Jun Yoshimoto (*Shizuoka Children's Hospital, Japan*)

O24-1 Change of QT Interval Before and After Radiofrequency Catheter Ablation in Pediatric Patients with Wolff-Parkinson-White Syndrome

Shuhei Fujita, Eriko Kabata, Shinichiro Mizutomi, Akio Chikata, Kazuo Usuda, Kiyoshi Hatasaki

Toyama Prefectural Central Hospital, Japan

O24-2 演題は取り下げられました。

O24-3 Conduction Properties and Other Characteristics of Adenosine Sensitive Accessory Pathway in Children

Taisuke Nabeshima¹, Hitoshi Mori¹, Shota Muraji², Naokata Sumitomo¹

¹Saitama Medical University International Medical Center, Japan, ²Fukuoka Children's Hospital, Japan

O24-4 Indication of Catheter Ablation for Focal Ventricular Arrhythmia Associated Tetralogy of Fallot

Shota Muraji^{1,2}, Hiroya Ushinohama¹, Ayako Kuraoka¹, Yuichi Ishikawa¹, Koichi Sagawa¹, Naokata Sumitomo²

¹Fukuoka Children's Hospital, Japan, ²Saitama Medical University International Medical Center, Japan

O24-5 Patients Undergoing Pacemaker Implantation During Childhood and Adolescence

Yuji Doi, Hiroshi Tasaka, Kayo Ogino, Tomohiro Hayashi, Hironobu Sumiyoshi, Kenta Yoshida, Mitsuru Yoshino, Kazushige Kadota, Kenji Waki

Kurashiki Central Hospital, Japan

Oral Presentation 25

Basic Cell

10:50 ~ 11:50

Chair Kenshi Hayashi (Kanazawa University Hospital, Japan)
Hiroshige Murata (Nippon Medical School, Japan)

O25-1 Protective Effects of Eicosapentaenoic Acid Against Saturated Fatty Acids-Caused Electrical Remodeling in Cardiomyocytes

Masaki Morishima¹, Hanako Murakami¹, Kosuke Horii¹, Pu Wang³, Kazuki Horikawa², Katsushige Ono³

¹Kindai University, Japan, ²Tokushima University, Japan, ³Oita University, Japan

O25-2 Bioinformatics Analysis of Autophagy in Atrial Fibrillation

Takahiro Kamihara

Tokai Memorial Hospital, Japan

O25-3 Involvement of Potential microRNAs in Signaling Pathway Networks in Murine Angiotensin II-Mediated Atrial Fibrillation Model

Yihan Sun, Kohei Kawajiri, Satoshi Iwamiya, Keiko Abe, Kensuke Ihara, Tetsuo Sasano, Tetsushi Furukawa

Tokyo Medical and Dental University, Japan

O25-4 The Exosomal miRNA Secreted by Paced Cardiomyocytes Regulates Adipocyte Differentiation

Kohei Kawajiri, Zin Lei Mon Nyo, Kensuke Ihara, Tetsushi Furukawa, Tetsuo Sasano

Tokyo Medical and Dental University, Japan

O25-5 Ablation Characteristics and the Incidence of Steam Pop of a Novel, Surface Temperature Control Ablation System(QDOT MICRO) in an ex vivo Experimental Model

Hitoshi Mori, Kenta Tsutsui, Daisuke Kawano, Naomichi Tanaka, Yoshifumi Ikeda, Naokata Sumitomo, Shiro Iwanaga, Shintaro Nakano, Kazuo Matsumoto, Ritsushi Kato

Saitama Medical University International Medical Center, Japan

Chair Takeshi Aiba (*National Cerebral and Cardiovascular Center, Japan*)
Mihoko Kawabata (*AOI Universal Hospital, Japan*)

O26-1 Pathological Remodeling Occurring in the Cynomolgus Monkey Hearts Against Atrioventricular Block: Characterization as an in vivo Proarrhythmia Model Animal

Hiroko Izumi-Nakaseko¹, Kengo Sakamoto², Ai Goto¹, Ryuichi Kambayashi¹, Akio Matsumoto¹, Akira Takahara¹, Atsushi Sugiyama¹

¹Toho University, Japan, ²Ina Research Inc., Japan

O26-2 Utility of in vivo Zebrafish Cardiac Assay to Predict the Functional Impact of KCNQ1 Variants

Shihe Cui, Kenshi Hayashi, Keisuke Usuda, Takeshi Kato, Toyonobu Tsuda, Takashi Kusayama, Masayuki Takamura, Soichiro Usui, Kenji Sakata, Masaaki Kawashiri, Noboru Fujino

Kanazawa University, Japan

O26-3 Mitochondria Dysfunction in Atrial Fibrillation Patients

Masaki Takahashi¹, Akira Fukui¹, Takanori Yamaguchi², Yuya Takahashi², Toyokazu Otsubo², Kana Nakashima², Koichi Node², Naohiko Takahashi¹

¹Oita University, Japan, ²Saga University, Japan

O26-4 Intravenous Vagal Stimulation Catheter, JOHAKU, Rapidly Induces Bradycardia Without Worsening Hemodynamics

Kazuo Sakamoto¹, Shohei Yokota², Midori Kakuuchi², Koji Todaka¹, Eiko Ishida¹, Hiroyuki Tsutsui³, Keita Saku²

¹Kyushu University Hospital, Japan, ²National Cerebral and Cardiovascular Center, Japan, ³Kyushu University, Japan

Chair Hideki Itoh (*Hiroshima University Hospital, Japan*)
Hiroshige Murata (*Nippon Medical School, Japan*)

O27-1 Diagnostic Performance of Machine Learning of Automatic Microvolt-Level Measurement on 12-Lead Electrocardiography to Distinguish Takotsubo Syndrome and Acute Anterior Myocardial Infarction

Masato Shimizu¹, Hiroko Miyazaki¹, Shummo Cho¹, Yoshiki Misu¹, Ryo Tateishi¹, Masao Yamaguchi¹, Yosuke Yamakami¹, Hiroshi Shimada¹, Tomoko Manno¹, Ami Isshiki¹, Shigeki Kimura¹, Hiroyuki Fujii¹, Makoto Suzuki¹, Mitsuhiro Nishizaki², Tetsuo Sasano³

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

O27-2 Development of Precise Genetic Prognostic Model for Hereditary Arrhythmia Disease Using Machine Learning

Hirohiko Kohjitani^{1,2}, Takeshi Mitani³, Yuji Okamoto¹, Takanori Aizawa¹, Takeru Makiyama^{1,2}, Asami Kashiwa¹, Tomohiko Imamura¹, Seiko Ohno⁴, Minoru Horie⁵, Satoshi Shizuta^{1,2}, Takeshi Kimura^{1,2}, Yasushi Okuno¹

¹Kyoto University Graduate School of Medicine, Japan, ²Kyoto University Hospital, Japan, ³Kyoto University, Japan, ⁴National Cerebral and Cardiovascular Center, Japan, ⁵Shiga University of Medical Science NCD Epidemiology Research Center, Japan

O27-3 Deep Learning of Left Atrial Computed Tomography Image Could Predict Recurrence Following Cryoballoon Ablation in Patients with Atrial Fibrillation

Ryo Tateishi¹, Masato Shimizu¹, Hiroshi Shimada¹, Hiroko Miyazaki¹, Shummo Cho¹, Yoshiki Misu¹, Yosuke Yamakami¹, Masao Yamaguchi¹, Tomoko Manno¹, Ami Isshiki¹, Shigeki Kimura¹, Hiroyuki Fujii¹, Makoto Suzuki¹, Mitsuhiro Nishizaki², Tetsuo Sasano³

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

O27-4 The Establishment of 3D Printer Model to Assess Contact Force of Cryoballoon Ablation

Takahiro Hayashi^{1,2}, Eita Kawasaki³, Jumpei Takada³, Masato Murakami¹, Shigeru Saito¹, Kiyotaka Iwasaki²

¹Shonan Kamakura General Hospital, Japan, ²Joint Graduate School of Tokyo Women's Medical University and Waseda University, Japan, ³Waseda University, Japan

Oral Presentation 28

Basic simulation 2

15:50 ~ 16:50

Chair Takashi Ashihara (*Shiga University of Medical Science, Japan*)
Hisanori Kanazawa (*Kumamoto University Hospital, Japan*)

O28-1 How Early Afterdepolarization Triggers Lethal Arrhythmias in Long QT Syndrome Type 2: A Computational Study

Kunichika Tsumoto¹, Takao Shimamoto², Yuma Aoji², Akira Amano², Yasutaka Kurata¹

¹Kanazawa Medical University, Japan, ²Ritsumeikan University, Japan

O28-2 Epicardial Adipose Tissue Remodeling Evoked by Extracellular Vesicles Released from Atrial Myocytes

Suzuka Ishikawa, Anna Suzuki, Rina Iwasaki, Kensuke Ihara, Tetsushi Furukawa, Tetsuo Sasano

Tokyo Medical and Dental University, Japan

O28-3 Hypermethylation of Hif3a and Ifltd1 Is Associated With Atrial Remodeling in Pressure-Overload Murine Model

Keiko Abe, Tetsuo Sasano, Shigeru Maeda, Haruhisa Fukayama, Tetsushi Furukawa

Tokyo Medical and Dental University, Japan

O28-4 Electrogram-Based Feedback Stimulator and Simultaneous Panoramic Optical Measurement System for Validation of Adaptive Defibrillation Strategies

Hiroshi Seno¹, Koki Furukawa¹, Masatoshi Yamazaki^{1,2}, Ichiro Sakuma¹, Naoki Tomii¹

¹The University of Tokyo, Japan, ²Nagano Hospital, Japan

Oral Presentation 29

Ablation AFアブレーション Methods

17:40 ~ 18:40

Chair Kojiro Tanimoto (*NHO Tokyo Medical Center, Japan*)
Akiko Ueda (*Kyorin University School of Medicine, Japan*)

O29-1 演題は取り下げられました。

O29-2 Pulmonary Vein Recurrence Rate and Gap Site in Ablation Index Guided Pulmonary Vein Isolation

Atomu Tajima, Yoshiaki Mizutani, Daiki Yamashita, Jun Yonekawa, Yuichiro Makino, Takatsugu Hiramatsu, Masaaki Kanashiro

Municipal Yokkaichi Hospital, Japan

O29-3 A Novel Method for Identifying Left Atrial Breakthrough Site of Bachmann's Bundle

Tomoko Takahashi, Yasuhiro Yokoyama, Hiroki Arase, Kozue Ogasawara, Takashi Yamamoto, Akiyoshi Kakutani

Yoshinogawa Medical Center, Japan

O29-4 Patient-Tailored Strategy Guided by Real-Time Phase Mapping in Catheter Ablation for Patients with Non-Paroxysmal Atrial Fibrillation

Kosuke Nakasuka, Marina Kato, Kento Mori, Toshihiko Goto, Yoshihiro Seo

Nagoya City University Graduate School of Medical Sciences, Japan

O29-5 Focal and Rotational Drivers Identified by a Novel Automated Algorithm in Patients with Persistent Atrial Fibrillation

Yoshihiro Sobue¹, Tomoya Ishiguro¹, Shuhei Takahara¹, Wataru Miyagi¹, Hideto Nishimura¹, Ryo Yamada¹, Sayano Ueda¹, Shinya Shimizu¹, Wakaya Fujiwara¹, Eiichi Watanabe¹, Hideo Izawa²

¹Fujita Health University Bantane Hospital, Japan, ²Fujita Health University Hospital, Japan

第7会場 (3F G316+G317)

Oral Presentation 30

Ablation AFアブレーションリモデリング

8:30 ~ 9:30

Chair Yasuko Tanabe (*Asahikawa Medical University, Japan*)

Katsunori Okajima (*Kakogawa Central City Hospital, Japan*)

O30-1 The Relationship Between 3D Speckle-Tracking Echocardiography and High-Density Voltage Mapping in AF Patients

Munekazu Tanaka, Shin Watanabe, Fumiya Yoneda, Shushi Nishiwaki, Hirohiko Kohjitani, Satoshi Shizuta, Takeshi Kimura

Kyoto University Hospital, Japan

O30-2 Predictors of the Left Atrial Low Voltage Areas in Persistent Atrial Fibrillation

Yuki Shibuya, Shun Sasaki, Hitoshi Minamiguchi, Nobuhiko Makino, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Atsushi Hirayama, Yoshiharu Higuchi

Osaka Police Hospital, Japan

O30-3 Right Atrial Low Voltage Zone as a Novel Predictor of Sinus Node Dysfunction in Patients with Non-Paroxysmal Atrial Fibrillation

Takehito Kondo, Yusuke Ochiuni, Masayuki Nakamura, Osamu Matsuda, Mutsuo Nakayama, Takaaki Shiono, Masashi Kimura

Hiroshima Heart Center, Japan

O30-4 Fractionated Signal Areas in Atrial Muscle (FAAM) Ablation Improves Recurrence Rate of Refractory Atrial Fibrillation : 1-Year Follow Up

Jun Hirokami, Kenichi Hiroshima, Michio Nagashima, Masato Fukunaga, Kengo Korai, Maiko Kuroda, Rei Kuji, Tomonori Katsuki, Yohei Sadohara, Hiroyuki Kono, Kenji Ando

Kokura Memorial Hospital, Japan

O30-5 P-Wave Duration at 3 Months After Catheter Ablation for Persistent Atrial Fibrillation Is Associated with Recurrence

Nobuhiro Yamaguchi, Yuki Kurose, Yoshimi Takahashi, Shintaro Kasahara, Kumiko Eguchi, Noriko Onoue, Tsuyoshi Shinozaki

Sendai Medical Center, Japan

Chair Kikuya Uno (*Tokyo Heart Rhythm Hospital, Japan*)Hisashi Yokoshiki (*Sapporo City General Hospital, Japan*)**O31-1 Clinical Outcome of Catheter Ablation in Very Elderly with Persistent Atrial Fibrillation**

Toshikazu Kono¹, Osamu Inaba¹, Shin Meguro¹, Yohei Tamura¹, Gaku Narita¹, Miho Negishi¹, Yuhei Isonaga¹, Shunichi Kato¹, Hiroaki Ohya¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Yukihiro Inamura¹, Tsunehiro Yamato¹, Akira Sato¹, Ken Negi¹, Yutaka Matsumura¹, Junichi Nitta², Masahiko Goya³, Tetsuo Sasano³

¹Saitama Red Cross Hospital, Japan, ²Sakakibara Heart Institute, Japan, ³Tokyo Medical and Dental University, Japan

O31-2 Very Long-Term Follow Up of Catheter Ablation for Atrial Fibrillation in Patients with Tachycardia-Bradycardia Syndrome: Over 15 Years Follow-Up

Michifumi Tokuda¹, Seigo Yamashita², Satoko Shiomi¹, Hidenori Sato¹, Hirotsuna Oseto², Masaaki Yokoyama², Kenichi Tokutake², Kenichi Yokoyama², Ryohsuke Narui², Mika Kato², Shinichi Tanigawa¹, Michihiro Yoshimura², Teiichi Yamane²

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

O31-3 Safety and Efficacy of Catheter Ablation for the Patients with Paroxysmal Atrial Fibrillation in Over 80 Years

Hiroaki Ohya¹, Yukihiro Inamura¹, Shin Meguro¹, Gaku Narita¹, Yohei Tamura¹, Miho Negishi¹, Yuhei Isonaga¹, Shunichi Kato¹, Toshikazu Kono¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Akira Sato¹, Tsunehiro Yamato¹, Ken Negi¹, Yutaka Matsumura¹, Osamu Inaba¹, Junichi Nitta², Masahiko Goya³, Tetsuo Sasano³

¹Saitama Red Cross Hospital, Japan, ²Sakakibara Heart Institute, Japan, ³Tokyo Medical and Dental University, Japan

O31-4 Atrial Fibrillation Ablation in Elder Heart Failure Patients

Kei Hirota, Akira Fukui, Masaki Takahashi, Kazuki Mitarai, Hidekazu Kondo, Tetsuji Shinohara, Naohiko Takahashi

Oita University, Japan

O31-5 Improvement of the Quality of Life by Catheter Ablation for Atrial Fibrillation in Patients Undergoing Hemodialysis

Masato Hachisuka, Hiroshi Hayashi, Yu-ki Iwasaki, Taiji Okada, Nobuaki Ito, Serina Kobayashi, Rei Mimuro, Yuhi Fujimoto, Eiichiro Oka, Kanako Hagiwara, Hiroshige Murata, Teppei Yamamoto, Kenji Yodogawa, Wataru Shimizu

Nippon Medical School, Japan

Chair Satoshi Nagase (*National Cerebral and Cardiovascular Center, Japan*)Ippei Tsuboi (*Saiseikai Yokohama City Eastern Hospital, Japan*)**O32-1 The Association Between Abnormal Cardiac Sympathetic Nervous Activity and Lethal Arrhythmic Events in Chronic Heart Failure with Chronic Kidney Disease**

Kazuaki Amami, Shinya Yamada, Ken Nehashi, Minoru Nodera, Takashi Kaneshiro, Yasuchika Takeishi

Fukushima Medical University, Japan

- O32-2 The Evaluation of the Effects of Using Amiodarone for the Patients with Refractory Ventricular Fibrillation During Extracorporeal Cardio-Pulmonary Resuscitation and Target Temperature Management**
Atsushi Murakami, Tomofumi Doi, Nobuaki Igarashi, Takeomi Murata, Tomoya Masano, Junya Sato, Natsuko Tahara, Hideya Suehiro, Shun Yokota, Akihiro Kadoi, Tomoyuki Wakae, Keisuke Fujimoto, Haruna Inoue, Shotaro Yoshida
Japanese Red Cross Kobe Hospital, Japan
- O32-3 The Reference Values of Premature Complexes Detected by 24-Hour Holter ECG in Healthy Volunteers of Wide Age Range**
Kenichi Hashimoto¹, Naomi Harada¹, Yuji Kasamaki²
¹National Defense Medical College, Japan, ²Kanazawa Medical University Himi Municipal Hospital, Japan
- O32-4 Usefulness and Potential Role of Wearable Cardioverter Defibrillator in Patients with Ischemic Heart Disease**
Shingo Sasaki, Yuji Ishida, Shogo Hamaura, Yuichi Toyama, Kimitaka Nishizaki, Takahiko Kinjo, Taihei Itoh, Masaomi Kimura, Hirofumi Tomita
Hirosaki University Graduate School of Medicine, Japan
- O32-5 Prognosis in Hypertrophic Cardiomyopathy Patients with and Without Non-Sustained VT**
Mari Kitagawa, Yusuke Kondo, Yutaka Yoshino, Satoko Ryuzaki, Masafumi Sugawara, Toshinori Chiba, Haruhiro Takahira, Ryo Ito, Miyo Nakano, Takatsugu Kajiyama, Masahiro Nakano, Yoshio Kobayashi
Chiba University Graduate School of Medicine, Japan

Oral Presentation 33

Ablation ECG

13:30 ~ 14:30

Chair Takashi Komatsu (*Iwate Health Service Association, Japan*)
 Yasushi Imai (*Jichi Medical University, Japan*)

- O33-1 Effect of Long-Term sGLT2 on Transmural Dispersion of Repolarization and NAFLD in Diabetics with Coronary Artery Disease**
Bonpei Takase^{1,2}, Yuko Higashimura², Yukie Kobayashi¹, Katsumi Hayashi¹, Mari Seo¹, Tetsuya Hisada¹, Nobuyuki Masaki², Masayoshi Nagata¹
¹Iruma Heart Hospital, Japan, ²National Defense Medical College, Japan
- O33-2 Attenuation of Amplitude of J Wave on Psychiatric Drugs**
Hiroshi Kameyama¹, Kenichi Sugimoto¹, Fumitoshi Kodaka¹, Kyoko Ito², Kazutaka Nukariya³, Tomohiro Kato², Masahiro Shigeta³
¹The Jikei University School of Medicine, Japan, ²The Jikei University Hospital, Japan, ³The Jikei University Kashiwa Hospital, Japan
- O33-3 Impact of Fragmented QRS on Twelve-Lead ECG for Prognosis in Cardiac Sarcoidosis from Nationwide Survey**
Kei Enokizono¹, Akihito Ideishi¹, Kohei Ishibashi¹, Yuichiro Miyazaki¹, Akinori Wakamiya¹, Nobuhiko Ueda¹, Kenzaburo Nakajima¹, Tsukasa Kamakura¹, Mitsuru Wada¹, Kenichiro Yamagata¹, Yoichi Takaya², Yuko Inoue¹, Koji Miyamoto¹, Satoshi Nagase¹, Takeshi Aiba¹, Yoshikazu Yazaki³, Mitsuaki Isobe⁴, Fumio Terasaki⁵, Kengo Kusano¹
¹National Cerebral and Cardiovascular Center, Japan, ²Okayama University, Japan, ³Saku Central Hospital, Japan, ⁴Tokyo Medical and Dental University, Japan, ⁵Osaka Medical and Pharmaceutical University, Japan
- O33-4 Heart Rate Variability as a Good Predictor of Generalized Anxiety Burden**
Yuta Seki, Yoshinori Katsumata, Yasuyuki Shiraiishi, Kazuki Sato, Keiichi Fukuda
Keio University, Japan
- O33-5 P-Wave Terminal Force 3-Month After Catheter Ablation Predicts the Recurrence in Patients with Persistent Atrial Fibrillation**
Yuya Sudo, Keisuke Okawa, Ryu Tsushima, Akihiro Oka, Masahiro Sogo, Masatomo Ozaki, Masahiko Takahashi
Kagawa Prefectural Central Hospital, Japan

Chair Koji Miyamoto (*National Cerebral and Cardiovascular Center, Japan*)
Masahiro Maruyama (*Kindai University, Japan*)

- O34-1 Safety and Efficacy of Perclose™ Vascular Access Closure Device for Femoral Vein in Atrial Fibrillation Ablation**
Chisashi Toya¹, Takeshi Sasaki¹, Ryo Nagasawa¹, Tomohiro Tahara¹, Shota Segami¹, Kazuto Hayasaka¹, Yasuhiro Shirai¹, Koji Sugiyama¹, Shigeo Shimizu¹, Masahiko Goya², Tetsuo Sasano²
¹National Disaster Medical Center, Japan, ²Tokyo Medical and Dental University Hospital, Japan
- O34-2 Risk Factors of Re-Bleeding After Hemostasis Using Venous Vascular Closure System in Cases of Catheter Ablation for Atrial Fibrillation**
Masaaki Yokoyama, Seigo Yamashita, Hidenori Sato, Hirotsuna Oseto, Kenichi Tokutake, Kenichi Yokoyama, Mika Kato, Ryohsuke Narui, Shinichi Tanigawa, Michifumi Tokuda, Satoru Miyanaga, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane
The Jikei University School of Medicine, Japan
- O34-3 Usefulness of Perclose Proglide for Hemostasis After Catheter Ablation**
Yoshiaki Mizunuma, Rintaro Hojo, Takafumi Sasaki, Kosuke Takeda, Koichiro Yamaoka, Hirofumi Kujiraoka, Tomoyuki Arai, Takashi Kimura, Masao Takahashi, Seiji Fukamizu, Hisako Nishikimi, Miki Sekiguchi
Tokyo Metropolitan Hiroo Hospital, Japan
- O34-4 Comparison of the Technique for Hemostasis After Atrial Fibrillation Ablation**
Yohei Sawa, Hiroto Kikuchi, Sayaka Kikuchi, Takamasa Kobayashi, Hiroki Sasaki, Reisuke Yoshizawa, Shingen Owada, Yoshihiro Morino
Iwate Medical University, Japan
- O34-5 Incidence and Management of Vascular Access Complication Associated with Catheter Ablation Procedure**
Serina Kobayashi¹, Yu-ki Iwasaki¹, Taiji Okada¹, Toshiki Arai¹, Rei Mimuro¹, Masato Hachisuka¹, Yuhi Fujimoto¹, Eiichiro Oka¹, Kanako Hagiwara¹, Hiroshi Hayashi¹, Teppei Yamamoto¹, Hiroshige Murata¹, Kenji Yodogawa¹, Meiso Hayashi², Wataru Shimizu¹
¹Nippon Medical School Hospital, Japan, ²Mabori Medical Clinic, Japan

Chair Hiroshi Sohara (*Shonan Tobu General Hospital, Japan*)
Shunsuke Uetake (*Nippon Medical School Chiba-Hokusoh Hospital, Japan*)

- O35-1 Appropriate Duration of the "Second Shot" in Hot-Balloon Ablation**
Shunsuke Uetake, Nobuaki Ito, Noriyuki Kobayashi, Yasushi Miyauchi
Nippon Medical School Chiba Hokusoh Hospital, Japan
- O35-2 Hot Balloon Ablation with Surface Temperature Monitoring Increase Success Rate of Balloon Only Pulmonary Vein Isolation**
Tomoki Hattori, Yasuhiro Ogura, Noriya Uchida, Kohei Inukai, Hidenori Morisaki, Miku Hirose, Masahiro Shimoda, Monami Ando, Kenshi Hirayama, Masaki Takenaka, Ruka Yoshida, Hirohiko Suzuki, Kazumasa Unno, Yukihiko Yoshida
Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan

O35-3 Radiofrequency Current Versus Balloon-Based Ablations for Patients with Atrial Fibrillation: Insights into Procedural Data and Efficacy from Propensity Score-Matched Cohort Analysis

Takahiko Nagase, Ruiko Seki, So Asano, Hiroshi Fukunaga, Kanki Inoue, Yukio Sekiguchi, Kohei Tanizaki, Jun Umemura, Junichi Nitta, Mitsuaki Isobe
Sakakibara Heart Institute, Japan

O35-4 The Efficacy and Safety of Third-Generation Laser Balloon Based Pulmonary Vein Isolation for the Patients with Paroxysmal Atrial Fibrillation

Miho Negishi¹, Yukihiro Inamura¹, Shin Meguro¹, Yohei Tamura¹, Gaku Narita¹, Yuhei Isonaga¹, Shunichi Kato¹, Toshikazu Kono¹, Yasuaki Oya¹, Kazuya Murata¹, Yasuaki Hada¹, Miki Kanoh¹, Akira Sato¹, Tsunehiro Yamato¹, Ken Negi¹, Osamu Inaba¹, Yutaka Matsumura¹, Tetsuo Sasano²
¹*Saitama Red Cross Hospital, Japan*, ²*Tokyo Medical and Dental University Hospital, Japan*

O35-5 Comparison of Clinical Outcome Among Various Balloon Systems for Paroxysmal Atrial Fibrillation: Cryo vs. Hot vs. Laser

Seigo Yamashita, Ryohsuke Narui, Masaaki Yokoyama, Hirotsuna Oseto, Hidenori Sato, Mika Kato, Shinichi Tanigawa, Michifumi Tokuda, Michihiro Yoshimura, Teiichi Yamane
The Jikei University School of Medicine, Japan

**Oral Presentation 36
Ablation Laser Balloon**

17:40 ~ 18:40

Chair Seigo Yamashita (*The Jikei University School of Medicine, Japan*)
Takahiko Nagase (*Sakakibara Heart Institute, Japan*)

O36-1 Comparison of Procedural Findings Between 1st and 3rd Generation Laser Balloon Ablation for Pulmonary Vein Isolation in Patients with Atrial Fibrillation

Shingen Owada
Iwate Medical University, Japan

O36-2 Clinical Feasibility of High Power Short Duration Strategy at the Sites Adjacent to Esophagus During Laser Balloon Based Pulmonary Vein Isolation

Haruta Kato, Yoshihisa Naruse, Yutaro Kaneko, Taro Narumi, Makoto Sano, Tsuyoshi Urushida, Yuichiro Maekawa
Hamamatsu University, Japan

O36-3 Feasibility and Safety of Extended Posterior Wall Isolation Technique for Laser Balloon Ablation

Takashi Ohkura¹, Keitaro Senoo¹, Ken Kakita², Takashi Yamasaki², Tetsuro Nishimura¹, Hibiki Iwakoshi¹, Satoshi Shimoo¹, Hirokazu Shiraishi¹, Satoaki Matoba¹
¹*Kyoto Prefectural University, Japan*, ²*Koseikai Takeda Hospital, Japan*

O36-4 Acute Efficacy, Safety and Mid-Term Outcome of Energy-Guided Short Duration Protocol of Laser Balloon Based Pulmonary Vein Isolation for Atrial Fibrillation

Makoto Sano¹, Yoshihisa Naruse¹, Yutaro Kaneko¹, Tomoaki Sakakibara², Taro Narumi¹, Tsuyoshi Urushida¹, Yuichiro Maekawa¹
¹*Hamamatsu University, Japan*, ²*Iwata City Hospital, Japan*

O36-5 One-Year Outcome of Wide-Area Pulmonary Vein Isolation Using the Visually Guided Laser Balloon for Atrial Fibrillation

Takashi Yamasaki, Tetsuhisa Hattori, Misen Pak, Ken Kakita
Koseikai Takeda Hospital, Japan

Oral Presentation 37

Ablation AF血栓リスク評価

8:30 ~ 9:30

Chair Hiroyuki Osanai (*Tosei General Hospital, Japan*)
Ayako Okada (*Shinshu University School of Medicine, Japan*)

- O37-1 Evaluation of Left Atrial Appendage Thrombus and Esophageal Deviation by Computed Tomography in the Prone Position**
Ryosuke Takeuchi, Gaku Matsukura, Fumimaro Ishibashi, Naoki Nakamura, Yuki Tokonami, Hiroyuki Aoshima, Rumi Takabayashi, Mariko Ozeki, Takahiro Kanda, Hiroshi Ukigai, Kei Tawarahara
Hamamatsu Red Cross Hospital, Japan
- O37-2 Comprehensive Left Atrial Status Evaluation in Atrial Fibrillation; CAFS Score**
Shinsuke Okada
Niigata Medical Center, Japan
- O37-3 Relationship Between CHADS₂ Score and Histological Fibrosis Based on Atrial Biopsy in Patients with Non-Valvular Atrial Fibrillation**
Yuki Nishimura¹, Takanori Yamaguchi², Yuya Takahashi², Toyokazu Otsubo², Kana Nakashima², Akira Fukui³, Kodai Shinzato², Shigeki Shichida², Ryosuke Osako², Yuki Kawano⁴, Naohiko Takahashi³, Koichi Node²
¹Saga-ken Medical Center Koseikan, Japan, ²Saga University, Japan, ³Oita University, Japan, ⁴Saiseikai Futsukaichi Hospital, Japan
- O37-4 Analysis of Lesions Found by Chance on Computed Tomography Before Atrial Fibrillation Ablation**
So Takenaka, Ayano Enzan, Akihiko Ueno, Yumi Tanaka, Soichiro Ogura, Daisuke Iida, Nobuhiro Hara, Masahiro Yamauchi, Tomonobu Okuno, Masayoshi Sakakibara
IMS Katsushika Heart Center, Japan
- O37-5 Left Atrial Low-Voltage Areas Associate Thromboembolic Risk in Patients with Persistent Atrial Fibrillation Who Preserved Left Atrial Appendage Flow Velocity**
Takuya Omuro¹, Yasuhiro Yoshiga¹, Masakazu Fukuda¹, Hironori Ishiguchi¹, Shohei Fujii¹, Tomoyuki Uchida¹, Masahiro Hisaoka¹, Takeshi Ueyama², Akihiko Shimizu³, Masafumi Yano¹
¹Yamaguchi University Graduate School of Medicine, Japan, ²Yamaguchi Prefectural Grand Medical Center, Japan, ³Ube-kohsan Central Hospital, Japan

Oral Presentation 38

Device Leadless 1

9:40 ~ 10:40

Chair Koji Tanaka (*Sakurabashi Watanabe Hospital, Japan*)
Yasuharu Matsunaga-Lee (*Osaka Rosai Hospital, Japan*)

- O38-1 Incidence and Predictors for Heart Failure Hospitalization in Patients with Leadless Pacemaker :From the Analysis of Micra CT Registry**
Hitoshi Minamiguchi, Mikiko Matsumura, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Nobuhiko Makino, Atsushi Hirayama, Yoshiharu Higuchi
Osaka Police Hospital, Japan
- O38-2 Incidence and Predictors of Heart Failure Hospitalization in Patients with Pacemaker Over Octogenarian**
Mikiko Matsumura, Hitoshi Minamiguchi, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Nobuhiko Makino, Yoshiharu Higuchi, Atsushi Hirayama
Osaka Police Hospital, Japan

O38-3 Hemodynamic Study of VVI Pacemaker in Atrial Fibrillation Patients

Ayako Yokota, Tomoyuki Kabutoya, Takafumi Okuyama, Hiroaki Watanabe, Masashi Kamioka, Tomonori Watanabe, Takahiro Komori, Yasushi Imai, Kazuomi Kario
Jichi Medical University, Japan

O38-4 Characteristics of Patients with Hypertrophic Obstructive Cardiomyopathy Who Require Pacemaker Implantation After Percutaneous Transluminal Septal Myocardial Ablation

Hideki Kobayashi, Ayako Okada, Hiroaki Tabata, Wataru Shoin, Takahiro Okano, Morio Shoda, Koichiro Kuwahara
Shinshu University Hospital, Japan

O38-5 Predictive Factor of Pacemaker Implantation and Incidence of ICD Therapy in Patients with Transthyretin Amyloid Cardiomyopathy

Yusei Kawahara, Hisanori Kanazawa, Hitoshi Sumi, Shozo Kaneko, Miwa Ito, Tadashi Hoshiyama, Kenichi Tsujita
Kumamoto University, Japan

Oral Presentation 39

Device Leadless 2

10:50 ~ 11:50

Chair Yoshinao Yazaki (*Tokyo Medical University Hospital, Japan*)
Susumu Tao (*Tokyo Medical and Dental University, Japan*)

O39-1 Optimize Manual Atrioventricular Synchronization in Patients with VDD Leadless Pacemakers

Makoto Takano¹, Hisao Matsuda¹, Yui Nakayama², Taro Suchi², Daisuke Togashi², Ikutaro Nakajima², Kenichi Sasaki², Tomoo Harada², Yoshihiro Akashi²
¹*St. Marianna University Yokohama Seibu Hospital, Japan*, ²*St. Marianna University Hospital, Japan*

O39-2 Safety of Leadless Pacemaker Implantation as an Alternative Therapy to Generator Replacement of Transvenous Pacemaker

Tomonori Katsuki, Michio Nagashima, Kenichi Hiroshima, Kenji Ando
Kokura Memorial Hospital, Japan

O39-3 Progress Report After Implantation of the Leadless Pacemaker with VDD Mode at Showa University Hospital

Toshihiko Gokan¹, Koichiro Inokuchi¹, Hiroto Sugiyama¹, Kosuke Yoshikawa¹, Yuya Nakamura¹, Yuta Chiba¹, Yoshimi Onishi¹, Taku Asano¹, Youichi Kobayashi², Toshiro Shinke¹
¹*Showa University, Japan*, ²*Showa University Hospital, Japan*

O39-4 Differences in Paced QRS Duration Between Septal and Non-Septal Implantation of Micra Leadless Pacemaker

Shota Miyakuni¹, Akira Mizukami¹, Hirofumi Arai², Maki Ono¹, Shu Yamashita¹, Daisuke Ueshima¹, Akihiko Matsumura¹
¹*Kameda Medical Center, Japan*, ²*Yokohama City Minato Red Cross Hospital, Japan*

O39-5 Initial Results of Atrioventricular Synchronous Pacing Using Micra AV Leadless Pacemaker

Rei Kuji, Hiroyuki Kono, Yohei Sadohara, Jun Hirokami, Kengo Korai, Masato Fukunaga, Michio Nagashima, Kenichi Hiroshima, Kenji Ando
Kokura Memorial Hospital, Japan

Chair Takanao Mine (*Hyogo College of Medicine, Japan*)
Yasuyuki Egami (*Osaka Rosai Hospital, Japan*)

- O40-1 A Comparison of Left Ventricular Synchronization Between His Bundle and Right Ventricular Outflow Tract Pacing(1 Year Follow Up)**
Yasutaka Hirayama, Shiori Watanabe, Noriko Makiguchi
Megumino Hospital, Japan
- O40-2 Depolarization and Repolarization Dynamics After His-Bundle Pacing: Comparison with Different Pacing Modes**
Satoshi Yanagisawa, Yasuya Inden, Noriyuki Suzuki, Naoki Tsurumi, Ryo Watanabe, Toshifumi Nakagomi, Masafumi Shimojo, Takashi Okajima, Kazumasa Suga, Rei Shibata, Toyoaki Murohara
Nagoya University Graduate School of Medicine, Japan
- O40-3 Comparison of New-Onset Atrial Fibrillation Between His Bundle Pacing and Right Ventricular Septum Pacing in Patients with Atrioventricular Conduction Disturbance Dependent on Right Ventricular Pacing**
Masao Takahashi, Yoshiaki Mizunuma, Takafumi Sasaki, Ryo Takahashi, Kosuke Takeda, Koichiro Yamaoka, Hirofumi Kujiraoka, Tomoyuki Arai, Takashi Kimura, Rintaro Hojo, Seiji Fukamizu
Tokyo Metropolitan Hiroo Hospital, Japan
- O40-4 Experience of Left Bundle Branch Area Pacing Using 2 Types of the Pacemaker, Medtronic.Inc and BIOTRONIK.Inc**
Kiyota Kondo, Shinji Kaneko, Shin Nagai, Hitomi Hori, Ryota Yamauchi, Tomoaki Haga, Yosuke Tatami, Masaya Fujita, Taiki Ohashi, Ryuji Kubota, Masanori Shinoda
Toyota Kosei Hospital, Japan
- O40-5 Assessment of Efficacy of Left Bundle Branch Area Pacing Compared with Right Ventricular Apical and Septal Pacing Using with Two-Dimensional Speckle Tracking**
Wataru Miyagi¹, Yoshihiro Sobue¹, Sayano Ueda¹, Tomoya Ishiguro¹, Shuhei Takahara¹, Hideto Nishimura¹, Ryo Yamada¹, Shinya Shimizu¹, Wakaya Fujiwara¹, Eiichi Watanabe¹, Hideo Izawa²
¹*Fujita Health University Bantane Hospital, Japan*, ²*Fujita Health University Hospital, Japan*

Chair Yoshihiro Sobue (*Fujita Health University Bantane Hospital, Japan*)
Taku Nishida (*Nara Medical University, Japan*)

- O41-1 Effect of Left Bundle Branch Area Pacing on the Right Ventricular Function, Pacing Parameters and Left Ventricular Function in the Remote Phase**
Masako Asami¹, Ippei Tsuboi¹, Shun Tsunoda¹, Yuri Sato¹, Taisuke Miyamoto¹, Shunsuke Sasaoka¹, Keijiro Nakamura², Tsuyoshi Sakai¹
¹*Saiseikai Yokohamashi Tobu Hospital, Japan*, ²*Toho University Ohashi Medical Center, Japan*
- O41-2 Bilateral Bundle Branch Area Pacing May Be Useful to Confirm the Adequate Left bundle Branch Area Pacing in Right Bundle Branch Block Patients**
Takumi Tamura, Keisuke Miyajima, Sakito Masuda, Ayako Okazaki, Yasuyo Takashima, Tomoyuki Watanabe, Yoshitaka Kawaguchi, Yasushi Wakabayashi
Seirei Mikatahara General Hospital, Japan
- O41-3 演題は取り下げられました。**

O41-4 Prognostic Impact of Physiological Pacing on Pacing-Dependent Cases

Hiroyuki Kono, Jun Hirokami, Yohei Sadohara, Maiko Kuroda, Rei Kuji, Tomonori Katsuki, Kengo Korai, Masato Fukunaga, Michio Nagashima, Kenichi Hiroshima, Kenji Ando

Kokura Memorial Hospital, Japan

Oral Presentation 42

Device CRTアウトカム

15:50 ~ 16:50

Chair Shinichi Niwano (*Kitasato University School of Medicine, Japan*)
Toshiya Kojima (*The University of Tokyo, Japan*)

O42-1 The Comparison of Long-Term Outcomes Between Non-Ischemic Patients with Upgraded Cardiac Resynchronization Therapy-Defibrillators (CRT-D) and with de novo CRT-D

Yuta Sakaguchi¹, Daisuke Izumi¹, Naomasa Suzuki¹, Takahiro Hakamata¹, Yasuhiro Ikami¹, So Otsuki¹, Nobue Yagihara¹, Kenichi Iijima¹, Masaomi Chinushi², Takayuki Inomata¹

¹*Niigata University Graduate School of Medical and Dental Sciences, Japan*, ²*Niigata University, Japan*

O42-2 Postoperative Course of Cardiac Resynchronization Therapy in Our Hospital Conducted in the Indication as the Block HF Trial

Masahiro Morise, Nobuhiro Nishiyama, Ryohei Miyamoto, Takahide Kodama

Toranomon Hospital, Japan

O42-3 Multidisciplinary Intervention for CRT Patients on CRT Clinic Is Associated with Improved Clinical Outcomes of CRT

Yoshifumi Ikeda, Ritsushi Kato, Kenta Tsutsui, Hitoshi Mori, Sayaka Tanaka, Daisuke Kawano, Risa Kanai, Yoshitaka Terazaki, Tomonori Takeda, Kazuo Matsumoto

Saitama Medical University International Medical Center, Japan

O42-4 Clinical Outcomes and Changes of Paced QRS Duration in Patients with Delayed Echocardiographic Response to Cardiac Resynchronization Therapy

Naoki Tsurumi, Yasuya Inden, Noriyuki Suzuki, Ryo Watanabe, Toshifumi Nakagomi, Masafumi Shimojo, Takashi Okajima, Kazumasa Suga, Satoshi Yanagisawa, Toyoaki Murohara

Nagoya University Graduate School of Medicine, Japan

O42-5 Long-Term Prognosis of Super-Responder to Cardiac Resynchronization Therapy in Japan

Takuro Masuda, Nobuhiro Nishii, Tomofumi Mizuno, Takashi Nishimoto, Akira Ueoka, Saori Asada, Masakazu Miyamoto, Satoshi Kawada, Koji Nakagawa, Hiroshi Morita, Hiroshi Ito

Okayama University, Japan

第11会場 (4F G414+G415)

Oral Presentation 43

Ablation AF再発予測因子 1

8:30 ~ 9:30

Chair Eitaro Fujii (*Nabari City Hospital, Japan*)
Takeshi Tomita (*North Alps Medical Center Azumi Hospital, Japan*)

O43-1 Silent Atrial Fibrillation After Pulmonary Vein Isolation: Impact of Baseline Burden and Symptoms from Patient Reported Outcomes

Shunsuke Kuroda¹, Oussama Wazni², Toshiaki Isogai², Yoshimori An², Ayman Hussein²

¹*Juntendo University Graduate School of Medicine, Japan*, ²*Cleveland Clinic, USA*

O43-2 Predictor of Outcome After Catheter Ablation for Atrial Fibrillation: Group Analysis Categorized by Age and Type of Atrial Fibrillation

Tetsuya Uemura¹, Hidekazu Kondo², Masaki Takahashi², Kazuki Mitarai², Kei Hirota², Akira Fukui², Tetsuji Shinohara², Mikiko Nakagawa², Naohiko Takahashi²

¹Oka Hospital, Japan, ²Oita University, Japan

O43-3 Impact of Fat in Left Atrial Roof on Procedural Outcomes in Patients Undergoing Pulmonary Vein Isolation: Identification with Intracardiac Echocardiography

Yuhi Hasebe, Takashi Noda, Makoto Nakano, Takahiko Chiba, Nobuhiko Yamamoto, Satoshi Yasuda

Tohoku University Graduate School of Medicine, Japan

O43-4 Time-Course Attenuation in Epicardial Adipose Tissue Volume and Radiodensity Confers Lower Recurrence Rate in Paroxysmal Atrial Fibrillation

Jun Takeda¹, Masahide Harada¹, Yukina Banno², Yoshihiro Nomura¹, Takehiro Ito¹, Yuji Motoike¹, Masayuki Koshikawa¹, Eiichi Watanabe², Hideo Izawa¹

¹Fujita Health University Hospital, Japan, ²Fujita Health University Bantane Hospital, Japan

O43-5 Failed Cardioversion During Immediate Post-Operative Period Is a Predictor of Late Recurrence After Atrial Fibrillation Ablation

Shinichi Harada, Masato Okada, Nobuaki Tanaka, Koji Tanaka, Yuko Hirao, Toshinari Onishi, Heitaro Watanabe, Atsunori Okamura, Katsuomi Iwakura

Sakurabashi Watanabe Hospital, Japan

Oral Presentation 44

Ablation AF再発予測因子 2

9:40 ~ 10:40

Chair Shigeto Naito (Gunma Prefectural Cardiovascular Center, Japan)
Keitaro Senoo (Kyoto Prefectural University, Japan)

O44-1 Impact of Hemoglobin Level for Effective Radiofrequency Ablation in the Human Left Atrium

Masayuki Ohta, Kentaro Hayashi, Takeshi Kitamura, Naoki Masuda, Nobuhiko Ogata, Takaaki Isshiki

Ageo Central Medical Hospital, Japan

O44-2 Impact of Female Sex on Very Late Recurrence After Catheter Ablation of Persistent Atrial Fibrillation: Insight from the EARNEST-PVI Trial

Masato Okada¹, Nobuaki Tanaka¹, Koji Tanaka¹, Yuko Hirao¹, Shinichi Harada¹, Masaharu Masuda², Tetsuya Watanabe³, Yasuyuki Egami⁴, Nobuhiko Makino⁵, Takafumi Oka^{1,6}, Miwa Miyoshi⁷, Tomoko Minamisaka⁸, Hitoshi Minamiguchi⁵, Takashi Kanda², Yasuhiro Matsuda², Masato Kawasaki³, Akihiro Sunaga⁶, Shungo Hikoso⁶, Koichi Inoue^{1,9}, Yasushi Sakata⁶

¹Sakurabashi Watanabe Hospital, Japan, ²Kansai Rosai Hospital, Japan, ³Osaka General Medical Center, Japan, ⁴Osaka Rosai Hospital, Japan, ⁵Osaka Police Hospital, Japan, ⁶Osaka University Graduate School of Medicine, Japan, ⁷JCHO Osaka Hospital, Japan, ⁸Yao Municipal Hospital, Japan, ⁹NHO Osaka National Hospital, Japan

O44-3 Comparison of Pulmonary Vein Reconnection and Outcomes After AF Ablation: From the TRANQUILIZE-AF Registry

Takashi Yoshizawa¹, Tetsuma Kawaji³, Shushi Nishiwaki², Hisashi Ogawa¹, Masaharu Akao¹, Takeshi Kimura², Satoshi Shizuta²

¹NHO Kyoto Medical Center, Japan, ²Kyoto University Hospital, Japan, ³Mitsubishi Kyoto Hospital, Japan

O44-4 The Clinical Characteristics and Outcome After Catheter Ablation in Young Adults with Persistent Atrial Fibrillation

Hirotsuna Oseto, Seigo Yamashita, Hidenori Sato, Masaaki Yokoyama, Kenichi Yokoyama, Ryohsuke Narui, Mika Kato, Shinichi Tanigawa, Michifumi Tokuda, Satoru Miyanaga, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane

The Jikei University School of Medicine, Japan

O44-5 Long-Term Outcome of Adenosine-Induced Atrial Fibrillation After Atrial Fibrillation Ablation: A Propensity Score Matching Analysis

Masayuki Ishimura¹, Masashi Yamamoto¹, Toshiharu Himi¹, Yoshio Kobayashi²

¹Kimitsu Central Hospital, Japan, ²Chiba University Hospital, Japan

メディカルプロフェッショナル口述演題4 デバイス1

10:50 ~ 11:50

座長 黒井 章央 (和歌山県立医科大学循環器内科)
村澤 孝秀 (東京大学医学部附属病院医療機器管理部)

MPO4-1 サイドヘリックス付き左心室リードのフォローアップ

岩井 瑠美¹, 峰 隆直², 福原 英二², 北垣 諒², 飛田 祥伸¹, 山崎 裕司¹, 北谷 祐季¹, 上出 歩美¹, 木村 政義¹, 石原 正治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・腎透析内科

MPO4-2 左脚領域ペーシングの慢性期のリード測定値に関する検討

宮下 祐司¹, 大隅 佑介¹, 愛知 正嗣¹, 貝阿彌 知¹, 鈴木 隼人¹, 鈴木 達也¹, 高岡 伸次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浜松医科大学附属病院第三内科

MPO4-3 右脚ブロック症例におけるFar Filed Morphology(FFM)の識別機能の検討

権守 信哉¹, 濱崎 誠之¹, 倉田 優美¹, 倉田 孟¹, 吉田 あすか¹, 新里 樹¹, 大久保 健史²

¹横須賀共済病院臨床工学科, ²横須賀共済病院循環器内科

MPO4-4 新規CIEDs植込み患者に対する肩関節可動域運動による効果の検証：写真付きパンフレットを導入して

齊鹿 麻美, 嶋田 宏, 菅 令子

鳥取県立中央病院看護局

MPO4-5 植込みデバイス識別アプリ『Pacemaker-ID』の性能評価

假屋 成耕¹, 力武 多聞¹, 曾輪 速斗¹, 荒川 茉由¹, 城下 貴臣¹, 吉谷 和泰²

¹兵庫県立尼崎総合医療センター臨床工学課, ²兵庫県立尼崎総合医療センター循環器内科

メディカルプロフェッショナル口述演題5 アブレーション3

13:30 ~ 14:30

座長 縮 恭一 (筑波大学附属病院臨床工学部)
渡邊 哲広 (獨協医科大学埼玉医療センター臨床工学部)

MPO5-1 ホットバルーンシステムのバルーン表面温度を上昇させる方法の検討

渡邊 哲広¹, 青木 秀行², 佐藤 弘嗣², 福田 怜子², 堀 裕一², 中原 志朗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

MPO5-2 クライオバルーンによる左房天蓋部ブロックライン作成に影響する左房解剖学的特徴の検討

水野 貴仁¹, 加藤 寛之², 田邊 星哉¹, 伊藤 美帆¹, 松井 優人¹, 二村 峻矢¹, 坪井 直哉², 加田 賢治², 村上 央², 岡田 卓也², 太田 竜右², 桜井 卓²

¹JCHO中京病院臨床工学部, ²JCHO中京病院循環器内科

MPO5-3 発作性心房細動に対するクライオバルーンの有効通電に関する検討

大澤 翔太¹, 林 英守², 岩間 華織¹, 江口 未紗紀¹, 高島 滉平¹, 薄葉 政人¹, 浅見 陽介¹, 木村 友紀², 黒田 俊介², 松本 紘毅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順天堂大学医学部附属順天堂医院循環器内科

MPO5-4 Freezor Maxによる三尖弁ブロックライン治療中の電位表示の工夫とその有用性

穂山 正弥¹, 西内 英², 山上 新太郎², 中野 雄太¹, 清水 一茂¹, 清水 貞則¹, 杉村 宗典¹

¹天理よろづ相談所病院臨床工学部, ²天理よろづ相談所病院循環器内科

MPO5-5 Arctic Front Advance, POLARxにおけるクライオバルーンカテーテル冷却能の比較検討

林 千城¹, 幕田 奈央¹, 比嘉 諒太¹, 大和田 三起¹, 山田 春海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, 関口 幸夫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

メディカルプロフェッショナル口述演題6

心電図・その他

14:40 ~ 15:40

座長 増田 正晴 (関西労災病院循環器内科)

石崎 一穂 (三井記念病院臨床検査部)

MPO6-1 院内心電図の一括スクリーニングによる心房細動介入の試み

長瀬 弘行¹, 梅本 紀夫², 洞垣内 拓也¹, 佐藤 綾乃¹, 奥村 悠太¹, 脇田 亜由美¹, 大坪 克浩¹, 新田 功児¹, 浅井 徹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

MPO6-2 心電図導出追加誘導に関する研究：急性心筋梗塞における有用性

山本 誠一

岡村一心堂病院臨床検査科

MPO6-3 Bachmann束左房端の解剖学的分布

根津 知行, 千葉 晶奈, 高田 康之, 楠目 宝大, 寺澤 無量, 寶田 顕, 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

MPO6-4 320列面検出器CTにおける心房細動症例の冠動脈CTAの取り組み

西村 仁¹, 角野 健太², 大塩 拓也², 高橋 健太³, 榎田 俊生³, 桑原 大志³

¹東京ハートリズムクリニック放射線科, ²東京ハートリズムクリニック臨床工学科, ³東京ハートリズムクリニック循環器内科

メディカルプロフェッショナル口述演題7

チーム医療

15:50 ~ 16:50

座長 戸叶 隆司 (順天堂大学医学部附属浦安病院循環器内科)

長澤 領 (NHO災害医療センター循環器内科)

MPO7-1 NPがアブレーションに参加しての活動報告

鎌田 靖章

仙台厚生病院看護部

MPO7-2 無症候と思われた高齢男性がレートレスポンスの最適化によりADLが著明に改善した1例：デバイス看護師を中心とした多職種チーム介入の有効性

大月 幸恵, 高野 和泉, 山田 好美, 小木曾 歩美, 樋口 正廣, 笠原 崇司, 赤羽 弘泰, 永富 文博, 麻生 真一, 東方 壮男, 富田 威

北アルプス医療センターあづみ病院

MPO7-3 当院の植込型補助人工心臓患者におけるCIEDs植込み状況について

鳴海 頌子¹, 近藤 祐介², 中野 正博¹, 梶山 貴嗣¹, 仲野 美代², 伊藤 竜², 北川 真理², 菅原 暢文², 千葉 俊典², 龍崎 智子², 吉野 裕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

MPO7-4 経皮的左心耳閉鎖術における診療看護師(NP)によるタスクシフトの有効性

長澤 領, 佐々木 毅, 田原 智大, 瀬上 将太, 早坂 和人, 戸舎 稚詞, 白井 康大, 杉山 浩二,
清水 茂雄

NHO災害医療センター循環器内科不整脈センター

第3日目 6月10日 金曜日

第6会場 (3F G314+G315)

Oral Presentation 45

Ablation AT 1

8:30 ~ 9:30

Chair Motoki Hara (*Hara Clinic Higashi-hiroshima, Japan*)
Takayuki Otsuka (*The Cardiovascular Institute, Japan*)

O45-1 Predictors of Peri-Mitral Atrial Flutter in Patients Undergoing Atrial Fibrillation Ablation

Hitomi Suzuki, Yoshiaki Mizutani, Daiki Yamashita, Jun Yonekawa, Yuichiro Makino, Masatsugu Hiramatsu, Masaaki Kanashiro

Municipal Yokkaichi Hospital, Japan

O45-2 Utility of Coherent Mapping for Identifying Localized Reentry

Shingo Yoshimura, Kenichi Kaseno, Koji Goto, Ryoya Takizawa, Kohki Kimura, Wataru Sasaki, Yumiko Haraguchi, Shohei Kishi, Takehito Sasaki, Yosuke Nakatani, Yuko Miki, Yutaka Take, Kohki Nakamura, Shigeto Naito

Gunma Prefectural Cardiovascular Center, Japan

O45-3 Comparison of Successful Ablation Site for Macroreentrant Atrial Tachycardia Using Epicardial Connection: Pseudo Focal Atrial Tachycardia

Tomoyuki Arai, Rintaro Hojo, Yoshiaki Mizunuma, Takafumi Sasaki, Hirofumi Kujiraoka, Kosuke Takeda, Koichiro Yamaoka, Takashi Kimura, Masao Takahashi, Seiji Fukamizu

Tokyo Metropolitan Hiroo Hospital, Japan

O45-4 The Characteristics of Atrial Tachyarrhythmias After Open Heart Surgery

Ayano Enzan, So Takenaka, Akihiko Ueno, Yumi Tanaka, Soichiro Ogura, Daisuke Iida, Nobuhiro Hara, Masahiro Yamauchi, Tomonobu Okuno, Masayoshi Sakakibara

IMS Katsushika Heart Center, Japan

O45-5 How to Treat Marshall Re-Entry Atrial Tachycardia

Keisuke Iwata, Shinji Kaneko, Ryuji Kubota, Taiki Ohashi, Masaya Fujita, Yosuke Tatami, Tomoaki Haga, Ryota Yamauchi, Kiyota Kondo, Hitomi Hori, Shin Nagai, Shota Iseki, Masanori Shinoda

Toyota Kosei Hospital, Japan

Oral Presentation 46

Ablation AT 2

9:40 ~ 10:40

Chair Satoshi Higa (*Makiminato Central Hospital, Japan*)
Seiichiro Matsuo (*Kyorin University Hospital, Japan*)

O46-1 Echocardiographic and Electrophysiologic Characteristics of Atrial Tachycardia in Repaired TOF Patients

Qasim J Naeemah, Miyako Igarashi, Noor Albakaa, Yuto Iioka, Yuka Oda, Yuichi Hanaki, Chihiro Ota, Noboru Ichihara, Yasutoshi Shinoda, Yuki Komatsu, Naoto Kawamatsu, Takeshi Machino, Tomoko Machino, Hiro Yamasaki, Tomoko Ishizu, Akihiko Nogami, Kazutaka Aonuma, Masaki Ieda

University of Tsukuba, Japan

O46-2 Evaluation of Recurred Atrial Tachyarrhythmias After Pulmonary Vein Isolation Using Functional and Structural Mapping of Non-Paroxysmal Atrial Fibrillation

Koji Kumagai, Tsukasa Sato, Yuki Kurose, Takenori Sumiyoshi, Kaoru Hasegawa, Yuko Sekiguchi, Hisashi Kikuta, Takeyoshi Kameyama, Minoru Yambe, Shigefumi Fukui, Takao Nakano, Tatsuya Komaru
Tohoku Medical and Pharmaceutical University, Japan

O46-3 Utility and Limitation of a Novel Mapping Algorithm Utilizing Vectors and Global Pattern of Propagation in Atrial Tachycardia

Susumu Sakama, Atsuhiko Yagishita, Kengo Ayabe, Tetsuri Sakai, Mari Amino, Yuji Ikari, Koichiro Yoshioka
Tokai University, Japan

O46-4 Not Only Conduction Gaps at Incisional Lines But Also de novo Atrial Substrates Are Associated with Post-Surgical Atrial Tachycardia

Toyokazu Otsubo¹, Takanori Yamaguchi¹, Ryosuke Osako¹, Kodai Shinzato¹, Shigeki Shichida¹, Kana Nakashima¹, Yuki Kawano², Yuya Takahashi¹, Koichi Node¹
¹Saga University, Japan, ²Saiseikai Futsukaichi Hospital, Japan

O46-5 A Strong Association Between de novo Left Atrial Macro-Reentrant Tachycardia and Severe Low-Voltage Area

Takayuki Kitai¹, Takanori Yamaguchi², Junji Morita¹
¹Sapporo Cardio Vascular Clinic, Japan, ²Saga University, Japan

Oral Presentation 47

Ablation 透視・造影剤

10:50 ~ 11:50

Chair Hitomi Yuzawa (*Mitsui Memorial Hospital, Japan*)
Yuhi Fujimoto (*Nippon Medical School, Japan*)

O47-1 Efficacy and Safety of Catheter Ablation for Atrial Fibrillation Without Using Contrast Media

Masaki Tokutome, Ayano Hara, Akihito Noma, Hiroka Nakashima, Tsukasa Watanabe, Takuya Sakemi, Kosuke Okabe, Arihide Okahara, Shunsuke Kawai, Hirohide Matsuura, Ryuichi Matsukawa, Seigo Masuda, Yasushi Mukai
Japanese Red Cross Fukuoka Hospital, Japan

O47-2 Placement of Catheters Without Magnetic Sensors in the Coronary Sinus Without Fluoroscopy Guidance: Feasibility and Safety Evaluation

Tadashi Hoshiyama, Hitoshi Sumi, Shozo Kaneko, Yusei Kawahara, Miwa Ito, Hisanori Kanazawa, Kenichi Tsujita
Kumamoto University Hospital, Japan

O47-3 Early Experience and 1-Year Outcome of Atrial Fibrillation Ablation with Reduction of Radiation Exposure Using Contact Force Sensing Catheter and Intracardiac Echo

Osamu Inaba¹, Yukihiro Inamura¹, Akira Sato¹, Kazuya Murata¹, Hiroaki Ohya¹, Toshikazu Kono¹, Yuhei Isonaga¹, Miho Negishi¹, Yohei Tamura¹, Shin Meguro¹, Gaku Narita¹, Shunichi Kato¹, Yasuaki Hada¹, Miki Kanoh¹, Ken Negi¹, Tsunehiro Yamato¹, Yutaka Matsumura¹, Junichi Nitta², Masahiko Goya³, Tetsuo Sasano³
¹Saitama Red Cross Hospital, Japan, ²Sakakibara Heart Institute, Japan, ³Tokyo Medical and Dental University, Japan

O47-4 The Impact of Pulmonary Vein Potential Monitoring for the Acute Efficiency of CLOSE-Guided Pulmonary Vein Isolation

Yasuhiro Yoshiga¹, Masakazu Fukuda¹, Hironori Ishiguchi¹, Shohei Fujii¹, Masahiro Hisaoka¹, Takuya Omuro¹, Takeshi Ueyama², Akihiko Shimizu³, Masafumi Yano¹
¹Yamaguchi University Graduate School of Medicine, Japan, ²Yamaguchi Prefectural Grand Medical Center, Japan, ³Ube-kohsan Central Hospital, Japan

Chair Toshihiro Nakamura (*NHO Kyushu Medical Center, Japan*)
Makoto Nakano (*Tohoku University, Japan*)

- O48-1 Low Atrial Natriuretic Peptide to Brain Natriuretic Peptide Ratio Was Associated with Long-Term Prognosis of Heart Failure in Patients with Atrial Fibrillation Ablation**
Yasuhiro Matsuda, Masaharu Masuda, Takashi Kanda, Takuya Tsujimura, Hiroyuki Uematsu, Naoko Higashino, Toshiaki Mano
Kansai Rosai Hospital, Japan
- O48-2 Prognostic Value of the cGMP/BNP Ratio for the Risk of Heart Failure Hospitalization in Cardiac Resynchronization Therapy Patients**
Akihito Ideishi¹, Nobuhiko Ueda¹, Yasuhiro Yokoyama¹, Naoya Kataoka², Yuichiro Miyazaki¹, Akinori Wakamiya¹, Tsukasa Kamakura¹, Mitsuru Wada¹, Kohei Ishibashi¹, Kenichiro Yamagata¹, Yuko Inoue¹, Koji Miyamoto¹, Satoshi Nagase¹, Takeshi Aiba¹, Naoto Minamino¹, Kengo Kusano¹
¹National Cerebral and Cardiovascular Center, Japan, ²University of Toyama, Japan
- O48-3 Atrial Natriuretic Peptide Precursor as a Prognostic Marker in Patients with Cardiac Resynchronization Therapy**
Nobuhiko Ueda¹, Naoya Kataoka^{1,2}, Yuichiro Miyazaki¹, Keiko Shimamoto¹, Akinori Wakamiya¹, Kenzaburo Nakajima¹, Tsukasa Kamakura¹, Mitsuru Wada¹, Kohei Ishibashi¹, Kenichiro Yamagata¹, Yuko Inoue¹, Koji Miyamoto¹, Satoshi Nagase¹, Takeshi Aiba¹, Naoto Minamino¹, Kengo Kusano¹
¹National Cerebral and Cardiovascular Center, Japan, ²University of Toyama, Japan
- O48-4 Prognostic Impact of Plasma Xanthine Oxidoreductase Activity in Patients with Chronic Heart Failure with Atrial Fibrillation**
Ken Watanabe, Takanori Arimoto, Kyoko Koyama, Naoaki Hashimoto, Daisuke Kutsuzawa, Tetsu Watanabe, Masafumi Watanabe
Yamagata University, Japan
- O48-5 Impact of First Degree AV-Block on Outcome of Patients with Reduced Ejection Fraction Receiving Implantable Cardioverter Defibrillator**
Takatsugu Kajiyama, Yusuke Kondo, Masahiro Nakano, Miyo Nakano, Ryo Ito, Mari Kitagawa, Masafumi Sugawara, Toshinori Chiba, Yutaka Yoshino, Satoko Ryuzaki, Yoshio Kobayashi
Chiba University Graduate School of Medicine, Japan

Chair Teppei Yamamoto (*Nippon Medical School, Japan*)
Ikutaro Nakajima (*St. Marianna University School of Medicine, Japan*)

- O49-1 Influence of Atrial Fibrillation Ablation on Gastric Emptying**
Akira Shimane, Yoshikazu Kinoshita, Mitsuhiko Shoda, Hirotochi Ichibori, Mitsuaki Itoh, Kimitake Imamura, Kiminobu Yokoi
Hyogo Brain and Heart Center, Japan
- O49-2 Utility of a Perclose ProGlide for the Prevention of the Femoral Vein Bleeding Undergoing Catheter Ablation for Atrial Fibrillation**
Kento Tamano¹, Shingo Maeda², Kintaro Shimano¹, Naotaka Saito¹
¹Hakodate Central General Hospital, Japan, ²AOI Universal Hospital, Japan

O49-3 The Shortest Distance Between Esophagus and Posterior Left Atrium on Computed Tomography (SD-CT) and Esophageal Temperature Can Predict Esophageal Injury After Ablation for Atrial Fibrillation

Miwa Ito, Hisanori Kanazawa, Tadashi Hoshiyama, Shozo Kaneko, Yusei Kawahara, Hitoshi Sumi, Kenichi Tsujita

Kumamoto University Hospital, Japan

O49-4 Usefulness of Novel Phrenic Nerve Monitoring for Prevention of Phrenic Nerve Injury During SVC Isolation

Hirosuke Yamaji, Shunichi Higashiya, Takashi Murakami

Okayama Heart Clinic, Japan

O49-5 Differences in the Duration of Phrenic Nerve Injury Incidence by Cryoballoon Over Time of Experience

Satoko Shiomi¹, Michifumi Tokuda¹, Hidenori Sato¹, Hirotsuna Oseto², Masaaki Yokoyama², Ryohsuke Narui², Shinichi Tanigawa¹, Seigo Yamashita², Michihiro Yoshimura², Teiichi Yamane²

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

Oral Presentation 50

Ablation AF危険因子

15:50 ~ 16:50

Chair Hiroto Takeda (*Sakuma Family Clinic, Japan*)
Takeshi Soeki (*Tokushima University, Japan*)

O50-1 A Novel AFHE/e'L Score Is Associated Adverse Events After Catheter Ablation for Persistent Atrial Fibrillation

Yasuyuki Egami, Masami Nishino, Ayako Sugino, Noriyuki Kobayashi, Takashige Sakio, Masaya Kusuda, Hiroaki Nohara, Hiroki Sugae, Shodai Kawanami, Kohei UKita, Akito Kawamura, Yutaka Matsuhiro, Hitoshi Nakamura, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga, Masamichi Yano, Jun Tanouchi

Osaka Rosai Hospital, Japan

O50-2 Prognostic Impact of Catheter Ablation for Atrial Fibrillation or Atrial Flutter with Diabetes Mellitus

Shun Sasaki, Hitoshi Minamiguchi, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Nobuhiko Makino, Atsushi Hirayama, Yoshiharu Higuchi

Osaka Police Hospital, Japan

O50-3 JapanSCORE Predicts Postoperative Atrial Fibrillation in Patients Undergoing Cardiovascular Surgery

Taisuke Harada, Hidekazu Kondo, Masaki Takahashi, Masayuki Takano, Yumi Ishii, Hidefumi Akioka, Tetsuji Shinohara, Yasushi Teshima, Kunio Yufu, Mikiko Nakagawa, Shinji Miyamoto, Naohiko Takahashi

Oita University, Japan

O50-4 Impact of Serum Alkaline Phosphatase on New Appearance of Atrial Fibrillation

Naomi Hirota, Shinya Suzuki, Takuto Arita, Naoharu Yagi, Takayuki Otsuka, Takeshi Yamashita

The Cardiovascular Institute, Japan

O50-5 Daily Alcohol Consumption Is Risk of New Onset Atrial Fibrillation

Yoshiki Nagata, Hongbing Wang, Takashi Yamagami

Hokuriku Health Service Association, Japan

Oral Presentation 51

Ablation PVC

8:30 ~ 9:30

Chair Hitoshi Hachiya (*Tsuchiura Kyodo General Hospital, Japan*)
 Yasuo Kurita (*Graduate School of International University of Health and Welfare, Japan/ Cardiovascular Center of Mita Hospital, Japan*)

- O51-1 Epicardial Adipose Tissue Could Be a Valuable Predictor of a Challenging Ablation for the Outflow Tract Ventricular Arrhythmias**
 Junichi Doi, Yun Teng, Hidenori Hirano, Tadanori Nakata, Satoshi Hara, Yoshikazu Sato, Naoyuki Miwa, Kazuya Yamao, Shigeki Kusa, Hitoshi Hachiya
Tsuchiura Kyodo Hospital, Japan
- O51-2 Relationship Between Characteristics of 12-Lead Electrocardiogram in Para-Hisian Premature Ventricular Contractions (PVC) and the Results of Ablation**
 Masato Takeuchi, Jun Osada, Shunichi Aasano, Shinya Kowase, Kazuhiko Yumoto
Yokohama Rosai Hospital, Japan
- O51-3 Effect of Catheter Ablation of Premature Ventricular Contractions on Renal Function**
 Jiro Hiroki¹, Shu Yamashita¹, Akira Mizukami¹, Shota Miyakuni¹, Maki Ono¹, Daisuke Ueshima¹, Akihiko Matsumura¹, Masahiko Goya², Tetsuo Sasano²
¹Kameda Medical Center, Japan, ²Tokyo Medical and Dental University, Japan
- O51-4 Usefulness of the Ring Catheter in the Mapping of Idiopathic Premature Ventricular Contraction from Outflow Tract**
 Hisanori Kanazawa, Hitoshi Sumi, Yusei Kawahara, Shozo Kaneko, Miwa Ito, Tadashi Hoshiyama, Kenichi Tsujita
Kumamoto University Hospital, Japan
- O51-5 Searching for an Algorithm to Diagnose the Origin of Premature Ventricular Contractions with the Precordial Transition in Lead V3 Using Machine Learning**
 Masafumi Shimojo, Yasuya Inden, Norimasa Suzuki, Naoki Tsurumi, Ryo Watanabe, Toshifumi Nakagomi, Takashi Okajima, Kazumasa Suga, Satoshi Yanagisawa, Toyoaki Murohara
Nagoya University Graduate School of Medicine, Japan

Oral Presentation 52

Ablation AF CRYO 1

9:40 ~ 10:40

Chair Junjiroh Koyama (*Saiseikai Kumamoto Hospital, Japan*)
 Osamu Inaba (*Saitama Red Cross Hospital, Japan*)

- O52-1 Efficacy and Safety of Pressure-Guided Cryoballoon Pulmonary Vein Isolation with No Contrast for Patients with Paroxysmal Atrial Fibrillation**
 Kiko Akiyoshi¹, Shinsuke Iwai¹, Nobutaka Kato¹, Hiroataka Muramoto¹, Koji Higuchi¹, Yuko Onishi¹, Yasuhiro Sato¹, Masahiko Goya², Tetsuo Sasano²
¹Hiratsuka Kyosai Hospital, Japan, ²Tokyo Medical and Dental University, Japan
- O52-2 Significant Reduction of Radiation Exposure Using Radiofrequency Ablation with Three-Dimensional Electroanatomic Mapping Compared to Cryoballoon Ablation in Pulmonary Vein Isolation**
 Miwa Kikuchi, Naoki Aizawa, Takahiro Furuya, Kaoru Tanno
Showa University Koto Toyosu Hospital, Japan

O52-3 Comparison of Procedural Parameters in Pulmonary Vein Isolation Between a Novel Cryoballoon System and a Conventional Cryoballoon System in Japanese Patients

Takatoshi Shigeta¹, Yasuteru Yamauchi¹, Atsuhito Oda¹, Hirofumi Arai¹, Koji Sudo¹, Yuichiro Sagawa¹, Kaoru Okishige¹, Masahiko Goya², Tetsuo Sasano²

¹Yokohama City Minato Red Cross Hospital, Japan, ²Tokyo Medical and Dental University, Japan

O52-4 Impact on the Conduction of Bachmann's Bundle by Roof Line Ablation by a 28-mm Cryoballoon

Ryusuke Ota, Hiroyuki Kato, Naoya Tsuboi, Kenji Kada, Hisashi Murakami, Takuya Okada,

Takahito Mizuno, Chiaki Mizuno, Taku Sakurai, Yutaro Wada

JCHO Chukyo Hospital, Japan

O52-5 Different Time Course of Autonomic Nervous Modulation After Cryoballoon and Hotballoon Ablation for Paroxysmal Atrial Fibrillation

Noriyuki Suzuki^{1,2}, Satoshi Yanagisawa¹, Naoki Tsurumi¹, Ryo Watanabe¹, Toshifumi Nakagomi¹, Masafumi Shimojo¹, Takashi Okajima¹, Kazumasa Suga¹, Yasuya Inden¹, Toyoaki Murohara¹

¹Nagoya University Graduate School of Medicine, Japan, ²National Center for Geriatrics and Gerontology, Japan

**Oral Presentation 53
Ablation AF CRYO 2**

10:50 ~ 11:50

Chair Shiro Nakahara (*Dokkyo Medical University Saitama Medical Center, Japan*)

Kenichi Hiroshima (*Kokura Memorial Hospital, Japan*)

O53-1 Comparison Between Cryoballoon Double Stop and Single Stop in Patient with Paroxysmal Atrial Fibrillation. Is Thawing Process After Single Stop Necessary for Cryoballoon Application?

Takashi Yamada, Masato Murakami, Takahiro Hayashi, Ryota Kosaki, Shingo Mizuno, Shigeru Saito

Shonan Kamakura General Hospital, Japan

O53-2 Comparison of Phrenic Nerve Injury with Cryoballoon and Hot-Balloon Ablation Systems and Its Effect on the Extra-Pulmonary Vein Structures

Yuki Kondo, Yuichi Hori, Reiko Fukuda, Itaru Hisauchi, Shiro Nakahara, Sayuki Kobayashi,

Yoshihiko Sakai

Dokkyo Medical University Saitama Medical Center, Japan

O53-3 Safety of Cryoballoon Ablation on the Left Atrial Roof for Non-Paroxysmal Atrial Fibrillation in Elderly Patients

Atsuhito Oda, Hirofumi Arai, Koji Sudo, Yuichiro Sagawa, Takatoshi Shigeta, Yasuteru Yamauchi

Yokohama City Minato Red Cross Hospital, Japan

O53-4 Comparison of Morphological Characteristics of Pulmonary Veins Requiring Touch-Up Ablation in Addition to Cryoballoon Ablation for Atrial Fibrillation

Koichiro Fujimura, Jun Osada, Hirokazu Nishido, Yutaro Okidono, Namiko Hisamatsu, Yuji Manabe,

Masato Takeuchi, Akira Horigome, Shunichi Asano, Kazuya Otsu, Tomoyuki Fukuzawa, Shingo Tanaka,

Shinya Kowase, Hajime Aoki, Kazuhiko Yumoto

Yokohama Rosai Hospital, Japan

O53-5 The Relationship Between Heart Rate and Premature Atrial Contraction After Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

Haruka Hondo, Jun Osada, Yutaro Okidono, Hirokazu Nishido, Namiko Hisamatsu, Koichiro Fujimura,

Yuji Manabe, Masato Takeuchi, Akira Horigome, Shunichi Asano, Kazuya Otsu, Tomoyuki Fukuzawa,

Shingo Tanaka, Shinya Kowase, Hajime Aoki, Kazuhiko Yumoto

Yokohama Rosai Hospital, Japan

Chair Yasuhiro Yokoyama (*Daisan Kitashinagawa Hospital, Japan*)
Takafumi Oka (*Osaka University Graduate School, Japan*)

O54-1 Difference of Radiofrequency Ablation Profile Between Sinus Rhythm and Atrial Fibrillation: In the Era of High-Power Short-Duration Strategy

Satoshi Hara, Shigeki Kusa, Yun Teng, Hidenori Hirano, Tadanori Nakata, Junichi Doi, Yoshikazu Sato, Naoyuki Miwa, Kazuya Yamao, Hitoshi Hachiya
Tsuchiura Kyodo Hospital, Japan

O54-2 Prediction of Lesion Characteristic and Potential Complication on High-Power Short Duration in Radiofrequency Catheter Ablation Using Computer Simulation Model

Keijiro Nakamura¹, Yao Sun², Yoshinari Enomoto¹, Yasutake Toyoda¹, Kaoru Sugi³, Masao Moroi¹, Masato Nakamura¹, Xin Zhu²

¹Toho University Ohashi Medical Center, Japan, ²University of Aizu, Japan, ³Odawara Cardiovascular Hospital, Japan

O54-3 The Clinical Impact of 6 mm-Tag Guided High-Power and Short-Duration Ablation for Pulmonary Vein Isolation

Kyoko Koyama, Naoaki Hashimoto, Takanori Arimoto, Daisuke Kutsuzawa, Ken Watanabe, Masahiro Wanezaki, Yoichiro Otaki, Shigehiko Kato, Harutoshi Tamura, Satoshi Nishiyama, Hiroki Takahashi, Tetsu Watanabe, Masafumi Watanabe
Yamagata University, Japan

O54-4 Higher Power Could Achieve Greater Local Impedance Drop and Shorter Ablation Time Compared to the Conventional Power in Radiofrequency Ablation of Atrial Fibrillation

Shu Yamashita¹, Akira Mizukami¹, Maki Ono¹, Jiro Hiroki¹, Shota Miyakuni¹, Akihiko Matsumura¹, Tetsuo Sasano², Masahiko Goya²

¹Kameda Medical Center, Japan, ²Tokyo Medical and Dental University, Japan

O54-5 Pulmonary Vein Isolation with 50-W High-Power and Short-Duration Ablation Strategy for Persistent Atrial Fibrillation: Outcomes of 1-Year Follow Up

Yoshikazu Sato, Shigeki Kusa, Yun Teng, Hidenori Hirano, Tadanori Nakata, Junichi Doi, Satoshi Hara, Naoyuki Miwa, Kazuya Yamao, Hitoshi Hachiya
Tsuchiura Kyodo Hospital, Japan

Chair Hidemori Hayashi (*Juntendo University Graduate School of Medicine, Japan*)
Hirohiko Suzuki (*Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan*)

O55-1 Efficacy of Circumferential Pulmonary Vein Isolation Using Cryoballoon Ablation for Paroxysmal Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy: Compared with Radiofrequency Ablation

Takahiko Kinjo, Masaomi Kimura, Daisuke Horiuchi, Taihei Itoh, Yuji Ishida, Kimitaka Nishizaki, Yuichi Toyama, Shogo Hamaura, Shingo Sasaki, Hirofumi Tomita
Hirosaki University, Japan

O55-2 Impact of Cryoballoon Ablation on Atrial Tachycardia Recurrence After Atrial Fibrillation Ablation

Masakazu Kaneko¹, Yasutoshi Nagata¹, Tomoki Horie¹, Giichi Nitta¹, Keita Watanabe¹, Masahiko Goya², Tetsuo Sasano²

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

O55-3 Short-Term Results of Cryoballoon Ablation for Persistent Atrial Fibrillation in Japanese

Naoya Hironobe, Fumiharu Miura, Ryuhei Sanada, Kotaro Hamamoto, Atsushi Kuraishi, Shogo Matsui, Nozomu Oda, Yoji Urabe, Naoya Mitsuba, Takayuki Hidaka, Hironori Ueda
Hiroshima Prefectural Hospital, Japan

O55-4 Impact of Very Early Recurrence of Atrial Fibrillation After Cryoballoon Ablation

Kohei Ukita, Yasuyuki Egami, Shodai Kawanami, Hiroki Sugae, Akito Kawamura, Hitoshi Nakamura, Yutaka Matsuihiro, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga-Lee, Masamichi Yano, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital, Japan

O55-5 Which Should Hemodialysis Patients with Atrial Fibrillation Select, Radiofrequency or Cryoballoon Ablation?

Tadanori Nakata, Yoshikazu Sato, Un Toh, Hidenori Hirano, Junichi Doi, Satoshi Hara, Naoyuki Miwa, Kazuya Yamao, Shigeki Kusa, Hitoshi Hachiya
Tsuchiura Kyodo Hospital, Japan

**Oral Presentation 56
Ablation CRYO Roof**

15:50 ~ 16:50

Chair Hidehira Fukaya (*Kitasato University, Japan*)
Kentarō Hayashi (*Ageo Central General Hospital, Japan*)

O56-1 Feasibility and Efficacy of the Cross Over Technique for Left Atrial Posterior Wall Isolation Using the Cryoballoon Catheter in Patients with Persistent Atrial Fibrillation

Fuminori Odagiri¹, Kana Oyama¹, Shiori Nakagawara¹, Yasutoshi Akiyama¹, Hiroya Shimano¹, Koji Hirabayashi¹, Haruna Tabuchi², Hidemori Hayashi³, Takashi Tokano¹, Masataka Sumiyoshi², Tohru Minamino³

¹Juntendo University Urayasu Hospital, Japan, ²Juntendo University Nerima Hospital, Japan, ³Juntendo University Graduate School of Medicine, Japan

O56-2 Initial Experience of a Novel Cryoballoon System for Left Atrial Roof Line Ablation

Takatoshi Shigeta¹, Yasuteru Yamauchi¹, Atsuhito Oda¹, Hirofumi Arai¹, Koji Sudo¹, Yuichiro Sagawa¹, Kaoru Okishige¹, Masahiko Goya², Tetsuo Sasano²

¹Yokohama City Minato Red Cross Hospital, Japan, ²Tokyo Medical and Dental University, Japan

O56-3 The Impact of Left Atrial Roof Ablation Using Cryoballoon on Sinus Rhythm Maintenance in Patients with Non-Paroxysmal Atrial Fibrillation

Kosuke Aoki, Akihiko Ishida, Yoshiaki Mibiki, Takehiko Miyashita, Yoshihiro Yamashina, Eiji Sato, Hiroshi Nakagata, Keisuke Suzuki, Susumu Morosawa, Mai Suzuki, Tetsuo Yagi

Sendai City Hospital, Japan

O56-4 Impact on Early Recurrence of Atrial Fibrillation After Pulmonary Vein Isolation Plus Roof Line Block Using Cryoballoon

Taku Sakurai, Hiroyuki Kato, Yutaro Wada, Chiaki Mizuno, Ryusuke Ota, Takahito Mizuno, Takuya Okada, Hisashi Murakami, Kenji Kada, Naoya Tsuboi

JCHO Chukyo Hospital, Japan

O56-5 Efficacy and Safety of Novel Cryoballoon Ablation System for Left Atrial Roof Ablation in Patients with Atrial Fibrillation

Tomohiro Tahara¹, Takashi Sasaki¹, Ryo Nagasawa¹, Shota Segami¹, Kazuto Hayasaka¹, Chisashi Toya¹, Yasuhiro Shirai¹, Koji Sugiyama¹, Shigeo Shimizu¹, Masahiko Goya², Tetsuo Sasano²

¹National Disaster Medical Center, Japan, ²Tokyo Medical And Dental University Hospital, Japan

Oral Presentation 57

Ablation AFアブレーションアウトカム1

8:30 ~ 9:30

Chair Taku Asano (*Showa University School of Medicine, Japan*)
Koichiro Ejima (*Minamino Cardiovascular Hospital, Japan*)

- O57-1 Incidence, Prognosis and Electrophysiological Characteristics of Late Recurrence After Initial Catheter Ablation for Atrial Fibrillation**
Junjiroh Koyama, Takuo Tsurugi, Yasuaki Tanaka, Hideharu Okamatsu, Kodai Negishi, Fumitaka Onishi, Akino Yoshimura, Ken Okumura
Saiseikai Kumamoto Hospital Cardiovascular Center, Japan
- O57-2 What Is True Recurrence After Catheter Ablation of Persistent Atrial Fibrillation?**
Yasuharu Matsunaga-Lee, Yasuyuki Egami, Kohei Ukita, Akito Kawamura, Yutaka Matsuhira, Hitoshi Nakamura, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Masamichi Yano, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital, Japan
- O57-3 Significance of Mitral L Wave to Predict Late Recurrence of Atrial Fibrillation After Radiofrequency Catheter Ablation**
Ryo Wada, Tadashi Fujino, Kensuke Yano, Shintaro Yao, Katsuya Akitsu, Hideki Koike, Masaya Shinohara, Toshio Kinoshita, Hitomi Yuzawa, Takanori Ikeda
Toho University, Japan
- O57-4 Evaluation and Comparison of Impedance and Amplitude Changes in Lesion Size Index Guided Pulmonary Vein Isolation**
Yutaro Kaneko, Yoshihisa Naruse, Taro Narumi, Makoto Sano, Tsuyoshi Urushida, Yuichiro Maekawa
Hamamatsu University, Japan
- O57-5 Association of Premature Atrial Contraction Just After Procedure with the Outcome of Atrial Fibrillation Ablation**
Tomoki Fujisawa, Hiroshi Kawakami, Takayuki Nagai, Shigehiro Miyazaki, Yusuke Akazawa, Toru Miyoshi, Haruhiko Higashi, Kazuhisa Nishimura, Katsuji Inoue, Shuntaro Ikeda, Osamu Yamaguchi
Ehime University Hospital, Japan

Oral Presentation 58

Ablation AFアブレーションアウトカム2

9:40 ~ 10:40

Chair Satoru Sakagami (*NHO Kanazawa Medical Center, Japan*)
Shingen Owada (*Iwate Medical University, Japan*)

- O58-1 Clinical Impact of Right Ventricular-Pulmonary Artery Uncoupling on Predicting the Clinical Outcomes After Catheter Ablation in Persistent Atrial Fibrillation Patients**
Masamichi Yano, Yasuyuki Egami, Kohei Ukita, Akito Kawamura, Hitoshi Nakamura, Yutaka Matsuhira, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga-Lee, Masami Nishino, Jun Tanouchi
Osaka Rosai Hospital, Japan
- O58-2 Efficacy of Catheter Ablation in Patients with Long-Standing Persistent Atrial Fibrillation; Mid-Term Outcome Analysis Per Atrial Fibrillation Duration**
Shunsuke Kawai, Ayano Hara, Akihito Noma, Hiroka Nakashima, Tsukasa Watanabe, Takuya Sakemi, Kosuke Okabe, Arihide Okahara, Masaki Tokutome, Hirohide Matsuura, Ryuichi Matsukawa, Seigo Masuda, Yasushi Mukai
Japanese Red Cross Fukuoka Hospital, Japan

O58-3 Association Between Early and True Recurrence After Catheter Ablation of Atrial Fibrillation Using Radiofrequency Catheter, Cryoballoon, Hotballoon or Laserballoon

Hidenori Sato¹, Michifumi Tokuda¹, Ryutaro Sakurai², Satoko Shiomi¹, Hirotsuna Oseto², Masaaki Yokoyama², Kenichi Yokoyama², Ryohsuke Narui², Shinichi Tanigawa¹, Seigo Yamashita², Michihiro Yoshimura², Teiichi Yamane²

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

O58-4 Clinical Value of Electrophysiological Inducibility After Second-Generation Cryoballoon Ablation in Patients with Paroxysmal Atrial Fibrillation

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

The Cardiovascular Institute, Japan

O58-5 Exploratory Identification of Recurrence Risk After Cryoablation for Atrial Fibrillation Using Machine Learning Methods

Fumiya Yoneda, Hirohiko Kohjitani, Munekazu Tanaka, Shushi Nishiwaki, Akihiro Komasa, Satoshi Shizuta, Takeshi Kimura

Kyoto University Graduate School of Medicine, Japan

Oral Presentation 59

Ablation LAA

10:50 ~ 11:50

Chair Norishige Morita (Tokai University Hachioji Hospital, Japan)
Ryobun Yasuoka (Kindai University, Japan)

O59-1 Factors Other than Intracardiac Thrombi Causing Contrast Defects in Left Atrial Appendage on Contrast Computed Tomography

Yutaro Okidono, Jun Osada, Hirokazu Nishido, Namiko Hisamatsu, Koichiro Fujimura, Yuji Manabe, Masato Takeuchi, Akira Horigome, Shunichi Asano, Kazuya Otsu, Tomoyuki Fukuzawa, Shingo Tanaka, Shinya Kowase, Hajime Aoki, Kazuhiko Yumoto

Yokohama Rosai Hospital, Japan

O59-2 Contrast Filling Defects of the Left Atrial Appendage by Coronary Computed Tomography Angiography and Recurrence Rate After Catheter Ablation for Atrial Fibrillation

Taiki Ishizawa¹, Hitomi Yuzawa¹, Toshinaru Kawakami¹, Momoka Nakajima¹, Masahiro Sekiguchi¹, Hideaki Nonaka¹, Naoto Setoguchi¹, Masaaki Nakase¹, Yusuke Watanabe¹, Yu Horiuchi¹, Masaya Shinohara², Masahiko Asami¹, Kazuyuki Yahagi¹, Toshio Kinoshita³, Kota Komiyama¹, Jun Tanaka¹, Jiro Aoki¹, Kengo Tanabe¹, Takanori Ikeda⁴

¹Mitsui Memorial Hospital, Japan, ²Toho University, Japan, ³Toho University Sakura Medical Center, Japan, ⁴Toho University Graduate School of Medicine, Japan

O59-3 Poor Contrast Enhancement in the Left Atrial Appendage Predicts Recurrence of Persistent Atrial Fibrillation

Ryota Yamauchi, Shinji Kaneko, Shota Iseki, Shin Nagai, Hitomi Hori, Kiyota Kondo, Tomoaki Haga, Yosuke Tatami, Masaya Fujita, Taiki Ohashi, Ryuji Kubota, Masanori Shinoda

Toyota Kosei Hospital, Japan

O59-4 Safety and Feasibility of Left Atrial Appendage Closure Device Implantation: Insight from Single Center experience

Yoshinari Enomoto¹, Hidehiko Hara¹, Yasutake Toyoda¹, Keijiro Nakamura¹, Masao Moroi¹, Kaoru Sugi², Masato Nakamura¹

¹Toho University Ohashi Medical Center, Japan, ²Odawara Cardiovascular Hospital, Japan

O59-5 The New Morphological Classification of Left Atrial Appendage: Rock, Paper and Scissors

Satoko Ryuzaki, Yusuke Kondo, Toshinori Chiba, Masafumi Sugawara, Mari Kitagawa, Ryo Ito, Miyo Nakano, Takatsugu Kajiyama, Masahiro Nakano, Yoshio Kobayashi

Chiba University Graduate School of Medicine, Japan

Oral Presentation 60

Ablation 自律神経リハビリ

13:30 ~ 14:30

Chair Tetsuya Haruna (*Medical Research Institute Kitano Hospital, Japan*)
Kenta Takahashi (*Tokyo Heart Rhythm Clinic, Japan*)

O60-1 Demonstration of Beneficial Effects of Atrial Fibrillation Catheter Ablation by Measuring Serum Cystatin C Levels

Hiroyuki Miyazawa, Itsuro Morishima, Yasunori Kanzaki, Tomoya Iwawaki, Kazuki Shimojo
Ogaki Municipal Hospital, Japan

O60-2 Cardiac Neuromodulation in Patients with Left Atrial Fibrosis Undergoing Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation

Hironori Sato¹, Koji Azegami¹, Yoshihide Takahashi¹, Ko Akimoto¹, Ryota Maeno¹, Sadahiro Hijikata¹, Taku Fukushima¹, Kaoru Sakurai¹, Tetsuo Sasano²

¹*Shin-yurigaoka General Hospital, Japan*, ²*Tokyo Medical and Dental University Hospital, Japan*

O60-3 Impact of Plasma Aldosterone Concentration on the Recurrence of Atrial Tachyarrhythmias in Hypertensive Patients Undergoing Catheter Ablation for Atrial Fibrillation

Kimitaka Nishizaki, Masaomi Kimura, Shogo Hamaura, Yuichi Toyama, Takahiko Kinjo, Yuji Ishida, Taihei Itoh, Shingo Sasaki, Hirofumi Tomita

Hirosaki University Graduate School of Medicine, Japan

O60-4 Utility of Arrhythmic Rehabilitation and Exercise Tolerance in Patients Undergoing Catheter Ablation for Atrial Fibrillation

Shingo Maeda¹, Takayuki Murao¹, Yasunobu Matsuo¹, Ryota Yokoyama¹, Ryo Yonai¹, Takashi Nakasone¹, Tomoyuki Kawashima¹, Mihoko Kawabata¹, Kaoru Okishige², Hirotsugu Atarashi³, Kenzo Hirao¹

¹*AOI Universal Hospital, Japan*, ²*Yokohama Minato Heart Clinic, Japan*, ³*AOI Hachioji Hospital, Japan*

O60-5 Clinical Significance of the Decreased Coefficient of Variance of R-R Interval After Pulmonary Vein Isolation in Patients with Atrial Fibrillation

Shinya Yamada, Takashi Kaneshiro, Takeshi Nehashi, Kazuaki Amami, Minoru Nodera, Yasuchika Takeishi
Fukushima Medical University, Japan

Oral Presentation 61

Ablation AFリモデリング 1

14:40 ~ 15:40

Chair Akira Ueno (*Tokai University Hachioji Hospital, Japan*)
Takanori Yamaguchi (*Saga University, Japan*)

O61-1 Clinical Relevance of the Left Atrial Remodeling to the Non-Pulmonary Vein Triggers in Atrial Fibrillation

Atsuhiko Yagishita
Tokai University, Japan

O61-2 Development of a Histological Score for Atrial Substrate in Patients with Atrial Fibrillation

Shigeki Shichida¹, Takanori Yamaguchi¹, Yuya Takahashi¹, Toyokazu Otsubo¹, Kana Nakashima¹, Akira Fukui², Kodai Shinzato¹, Ryosuke Osako¹, Yuki Kawano³, Naohiko Takahashi², Koichi Node¹

¹*Saga University, Japan*, ²*Oita University, Japan*, ³*Saiseikai Futsukaichi Hospital, Japan*

O61-3 Gender Difference in Atrial Voltage and Structural Remodeling: Evidence from High-Density Voltage Mapping and Atrial Biopsy

Kana Nakashima¹, Takanori Yamaguchi¹, Toyokazu Otsubo¹, Yuya Takahashi¹, Shigeki Shichida¹, Kodai Shinzato¹, Ryosuke Osako¹, Akira Fukui², Naohiko Takahashi², Koichi Node¹

¹*Saga University, Japan*, ²*Oita University, Japan*

O61-4 Sleep Apnea and Left Atrial Dilatation in Patients with Atrial Fibrillation Prior to Catheter Ablation

Nobuaki Tanaka, Masato Okada, Yuko Hirao, Shinichi Harada, Koji Tanaka
Sakurabashi Watanabe Hospital, Japan

O61-5 Obstructive and Central Sleep Apnea Differently Develop Left Atrial Electrical and Structural Remodeling in Paroxysmal Atrial Fibrillation

Yuji Motoike¹, Masahide Harada¹, Yoshihiro Nomura¹, Masayuki Koshikawa¹, Eiichi Watanabe², Hideo Izawa¹
¹*Fujita Health University, Japan*, ²*Fujita Health University Bantane Hospital, Japan*

Oral Presentation 62

Ablation AFリモデリング 2

15:50 ~ 17:00

Chair Koji Azegami (*Shin-yurigaoka General Hospital, Japan*)
Takaaki Matsuyama (*Showa University, Japan*)

O62-1 Stiff and Calcified Left Atrium; Unrecognized Atrial Remodeling After Atrial Fibrillation Ablation

Daisuke Yakabe, Toshihiro Nakamura, Kisho Ohtani, Yusuke Fukuyama, Masahiro Araki, Taiki Higo
NHO Kyushu Medical Center, Japan

O62-2 The Effect of Catheter Ablation for Atrial Fibrillation with Functional Mitral Regurgitation

Takashi Nishimoto, Koji Nakagawa, Tomofumi Mizuno, Takuro Masuda, Akira Ueoka, Saori Asada, Masakazu Miyamoto, Satoshi Kawada, Nobuhiro Nishii, Kazufumi Nakamura, Hiroshi Morita, Hiroshi Ito
Okayama University Hospital, Japan

O62-3 Clinical Characteristics and Outcome After Catheter Ablation in Patients with Atrial Fibrillation from the View of Left Atrial Remodeling Patterns

Shio Ohguchi, Hiroyuki Osanai, Yuki Tanaka, Shotaro Hiramatsu, Hikari Matsumoto, Shun Miyamoto, Kensuke Tagahara, Kenji Arai, Takashi Watanabe, Yusuke Sakamoto, Teruhiro Sakaguchi, Takahiro Kambara, Yoshihito Nakashima, Hiroshi Asano, Masayoshi Ajioka
Tosei General Hospital, Japan

O62-4 Clinical Significance of the Cardio-Ankle Vascular Index in Atrial Fibrillation Patients Receiving Catheter Ablation

Masaya Shinohara, Tadashi Fujino, Ryo Wada, Shintaro Yao, Kensuke Yano, Katsuya Akitsu, Takanori Ikeda
Toho University, Japan

O62-5 Pre-Operative Cardio-Ankle Vascular Index Is a Predictor of Left Atrial Reverse Remodeling After Catheter Ablation for Atrial fibrillation

Issei Yoshimoto, Hitoshi Ichiki, Masaaki Miyata, Hiroyuki Kamada, Yuichi Ninomiya, Yasuhisa Iriki, Yoshiyuki Ikeda, Mitsuru Ohishi
Kagoshima University, Japan

O62-6 Clinical Factors Associated with Histological Fibrosis in Patients with Non-Valvular Atrial Fibrillation

Kodai Shinzato¹, Takanori Yamaguchi¹, Ryosuke Osako¹, Shigeki Shichida¹, Kana Nakashima¹, Yuya Takahashi¹, Toyokazu Otubo¹, Naohiko Takahashi², Koichi Node¹
¹*Saga University Hospital, Japan*, ²*Oita University Hospital, Japan*

Oral Presentation 63

Ablation AF NonPV 1

8:30 ~ 9:30

Chair Kohei Yamashiro (*Takatsuki General Hospital, Japan*)
 Mari Amino (*Tokai University, Japan*)

- O63-1 Impact of Long Superior Vena Cava Sleeve as a Non-Pulmonary Vein Trigger in Persistent and Long-Standing Persistent Atrial Fibrillation**
 Hideharu Okamatsu, Ken Okumura, Fumitaka Onishi, Akino Yoshimura, Kodai Negishi, Takuo Tsurugi, Yasuaki Tanaka, Koichi Nakao, Tomohiro Sakamoto, Junjiroh Koyama
Saiseikai Kumamoto Hospital, Japan
- O63-2 A Novel Catheter Ablation Strategy for Non-Paroxysmal Atrial Fibrillation with Combined Cryoballoon, Radiofrequency and Marshall-Vein Ethanol Ablations**
 Kazuto Hayasaka¹, Takeshi Sasaki¹, Tomohiro Tahara¹, Shota Segami¹, Ryo Nagasawa¹, Chisashi Toya¹, Yasuhiro Shirai¹, Koji Sugiyama¹, Shigeo Shimizu¹, Masahiko Goya², Tetsuo Sasano²
¹National Disaster Medical Center, Japan, ²Tokyo Medical and Dental University, Japan
- O63-3 Non-Pulmonary Vein Atrial Fibrillation Triggers After the Box Isolation and Superior Vena Cava Isolation**
 Taku Nishida, Junichi Sugiura, Ayaka Keshi, Hiroki Yano, Yasuki Nakada, Yukihiro Hashimoto, Tomoya Ueda, Hitoshi Nakagawa, Ayako Senoo, Kenji Onoue, Makoto Watanabe, Yoshihiko Saito
Nara Medical University, Japan
- O63-4 Additional Touch-Up Ablation in the Middle Area of Posterior Wall for Posterior Wall Isolation in Patients with Persistent Atrial Fibrillation**
 Masaru Inoue, Satoru Sakagami, Takanori Makida, Teturo Suematsu, Tomoya Harada, Kanako Yamamoto, Chieko Kato, Wataru Omi, Takahiro Saeki
NHO Kanazawa Medical Center, Japan
- O63-5 The Outcome of Non-Pulmonary Vein Triggers Ablation with the EnSite-FAAM (Fractionated Signal Area of Atrial Muscle with EnSite) Guided Ablation**
 Kengo Korai, Kenichi Hiroshima, Maiko Kuroda, Hiroyuki Kono, Yohei Sadohara, Jun Hirokami, Tomonori Katsuki, Rei Kuji, Masato Fukunaga, Michio Nagashima, Kenji Ando
Kokura Memorial Hospital, Japan

Oral Presentation 64

Ablation AF NonPV 2

9:40 ~ 10:40

Chair Hiroshi Furusho (*Ishikawa Prefectural Central Hospital, Japan*)
 Yoshifumi Ikeda (*Saitama Medical University International Medical Center, Japan*)

- O64-1 Relationship Between Effective Refractory Period and Inducibility of Atrial Fibrillation of the Superior Vena Cava After Pulmonary Vein Isolation**
 Yasunobu Yamagishi, Yasushi Oginosawa, Yoshihisa Fujino, Keishiro Yagyu, Taro Miyamoto, Keita Tsukahara, Hisaharu Ohe, Ritsuko Kohno, Masaharu Kataoka, Haruhiko Abe
University of Occupational and Environmental Health, Japan
- O64-2 Evaluation of Ablation Outcome for Paroxysmal Atrial Fibrillation of Atrial Septal Origin**
 Toshio Makita, Ibuki Ago, Yoshimi Oyagi, Kenta Kadono, Takuya Oshio, Ryo Takahashi, Kenta Takahashi, Taishi Kuwahara
Tokyo Heart Rhythm Clinic, Japan

O64-3 Investigation of Predicting Non-PV foci in Patients with Paroxysmal Atrial Fibrillation

Sho Okamura, Yodo Odake, Yukimi Uotani, Naoto Oguri, Shogo Miyamoto, Shunsuke Miyauchi, Yoshihiro Ikeuchi, Yosaku Okubo, Takehito Tokuyama, Yukiko Nakano

Hiroshima University, Japan

O64-4 Addition of Posterior Wall Box Isolation to Pulmonary Vein Isolation Did Not Reduce the Recurrence After Catheter Ablation of Atrial Fibrillation

Chisa Asahina, Koji Miyamoto, Reina Tonegawa-Kuji, Koshiro Kanaoka, Yuichiro Miyazaki, Akinori Wakamiya, Nobuhiko Ueda, Kenzaburo Nakajima, Tsukasa Kamakura, Mitsuru Wada, Kenichiro Yamagata, Kohei Ishibashi, Yuko Inoue, Satoshi Nagase, Takeshi Aiba, Kengo Kusano

National Cerebral and Cardiovascular Center, Japan

O64-5 Efficacy and Feasibility of Local Impedance-Guided Superior Vena Cava Isolation

Yuji Motoike, Masahide Harada, Yoshihiro Nomura, Masayuki Koshikawa, Hideo Izawa

Fujita Health University, Japan

Oral Presentation 65

Ablation 鎮静麻酔その他

10:50 ~ 11:50

Chair Kengo Ayabe (*Miyazaki Medical Association Hospital, Japan*)

Yoshihisa Naruse (*Hamamatsu University School of Medicine, Japan*)

O65-1 Effect of Anesthesia Method on the Indwelling Time of Catheter in the Left Atrium During Catheter Ablation to Atrial Fibrillation

Naoki Aizawa, Takahiro Furuya, Miwa Kikuchi, Kaoru Tanno

Showa University Koto Toyosu Hospital, Japan

O65-2 General Anesthesia Improves Contact Force Variability and Reduces Gap Formation in Pulmonary Vein Isolation

Haruna Tabuchi¹, Hidemori Hayashi², Kikuo Isoda¹, Masataka Sumiyoshi¹, Tohru Minamino²

¹Juntendo University Nerima Hospital, Japan, ²Juntendo University Graduate School of Medicine, Japan

O65-3 Usefulness of General Anesthesia with i-gel for Catheter Ablation of Atrial Fibrillation Compared to Moderate/Deep Sedation

Kimitake Imamura, Akira Shimane, Mitsuhiko Shoda, Hirotochi Ichibori, Mitsuaki Itoh, Kiminobu Yokoi, Tetsuari Onishi, Yasuyo Taniguchi, Tomofumi Takaya, Hiroya Kawai

Hyogo Brain and Heart Center, Japan

O65-4 Significance of Nasal Trouble and Paranasal Images in Patients with Atrial Fibrillation

Takuya Taniguchi¹, Satoshi Akabame²

¹Otsu City Hospital, Japan, ²Kyoto Okamoto Memorial Hospital, Japan

O65-5 Correlates of Sleep Disordered Breathing and Cheyne-Stokes Respiration in Patients with Atrial Fibrillation Undergoing Pulmonary Vein Isolation

Akihiro Sato, Hiroki Matsumoto, Takatoshi Kasai, Kai Ishii, Shunsuke Kuroda, Yuki Kimura, Hidemori Hayashi, Gaku Sekita, Takao Kato, Shoko Suda, Ryo Naito, Tohru Minamino

Juntendo University Graduate School of Medicine, Japan

MPO8-1 リードレスペースメーカーにおける急性期閾値不良のリスク因子の検討

岡田 拓也¹, 森田 純次², 北井 敬之²

¹札幌心臓血管クリニック臨床工学科, ²札幌心臓血管クリニック循環器内科

MPO8-2 ホルター心電図におけるMicra AVの同期率の検討

谷川 由美子¹, 黒川 幸希¹, 田野尻 玲華¹, 朝倉 亜衣¹, 上野 未夢¹, 永島 道雄², 安藤 献児²

¹小倉記念病院検査技師部, ²小倉記念病院循環器内科

MPO8-3 リードレスペースメーカー植込み後の閾値変化予測因子の検討

千葉 晶奈, 根津 知行, 矢崎 義直, 寶田 顕, 寺澤 無量, 楠目 宝大, 高田 康之, 里見 和浩

東京医科大学病院循環器内科不整脈センター

MPO8-4 先天性房室ブロックに対する乳児期ペースメーカー治療の予後

神谷 典男¹, 逸見 隆太², 藤井 洵希¹, 富田 聡子¹, 清水 奎太¹, 杉浦 亮², 立石 実³, 小出 昌秋³,
北本 憲永¹

¹聖隷浜松病院臨床工学室, ²聖隷浜松病院循環器科, ³聖隷浜松病院心臓血管外科

メディカルプロフェSSIONナル口述演題9 アブレーション4

MPO9-1 持続性心房細動中でのCARTOFINDERによるRotational / Focal 領域と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, 菊地 陽子¹, 加藤 翔一¹, 佐藤 美沙紀¹, 小島 優¹, 瀬戸 享往¹,
天野 一茂², 七尾 富久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技術部臨床工学技術科, ²東海大学医学部附属八王子病院循環器内科

MPO9-2 CARTO3 Systemを用いたNon-PV Foci 起源同定の有用性

大塩 拓也¹, 角野 健太¹, 吾郷 偉吹¹, 大谷木 賀美¹, 高橋 健太², 楨田 俊生², 桑原 大志²

¹東京ハートリズムクリニック臨床工学科, ²東京ハートリズムクリニック循環器内科

MPO9-3 心房細動アブレーション時の鎮静不安定化に寄与する因子の検討

林 昌晃¹, 添木 武², 玉上 大暉¹, 野田 康裕¹, 森西 啓介¹, 近田 優介¹, 松本 和久³,
松浦 明美³, 大西 芳明¹, 佐田 政隆³

¹徳島大学病院医療技術部臨床工学技術部門, ²徳島大学大学院医歯薬学研究部実践地域診療・医科学, ³徳島大学大学院医歯薬学研究部循環器内科学

MPO9-4 心房細動アブレーション時におけるi-gel使用例の腹囲, 脂肪量およびメタボリックシンドローム(MetS)診断基準項目活用の有用性

坂之上 春菜¹, 岡本 沙矢香¹, 岡野 久美¹, 藤田 有加¹, 東矢 俊一², 山地 博介², 村上 充³

¹岡山ハートクリニック看護部, ²岡山ハートクリニックハートリズムセンター, ³岡山ハートクリニック循環器内科

MPO9-5 心臓カテーテルアブレーションにおける吸入麻酔薬とプロポフォールの覚醒効果の比較検討

新城 卓美¹, 野口 壮一¹, 宮本 ひな¹, 石津 弘樹¹, 山崎 隆文¹, 水上 暁², 大野 真紀², 山下 周², 川上 隼史³, 植田 健一³

¹亀田総合病院ME室, ²亀田総合病院循環器内科, ³亀田総合病院麻酔科

メディカルプロフェSSIONナル口述演題10 モニタリング2

15:50 ~ 16:50

座長 高垣 勝 (滋賀県立総合病院)

梅津 努 (筑波大学医学医療系支援室/坂根Mクリニック)

MPO10-1 皮下植込み型除細動器(S-ICD)のSMART PassにおけるECGの振幅減衰に関する検討

細谷 裕一^{1,2}, 近藤 祐介², 小野 仁¹, 鳴海 頌子³, 中野 正博³, 梶山 貴嗣³, 仲野 美代², 伊藤 竜², 北川 真理², 菅原 暢文², 千葉 俊典², 龍崎 智子², 吉野 裕², 小林 欣夫²

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循環器内科学, ³千葉大学大学院医学研究院不整脈先端治療学

MPO10-2 致死性不整脈に対し適切なデバイス治療が行われなかったICD/CRT-D患者の解析

阪野 有希菜¹, 芹澤 俊亮², 原田 将英³, 野村 佳広³, 本池 雄二³, 越川 真行³, 渡邊 英一⁴, 井澤 英夫³

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MPO10-3 植込み型心臓デバイスの電池予測寿命精度の検証

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MPO10-4 植込みデバイスにおける呼吸障害イベント記録機能の有用性: Sleep Apnea MonitoringとApnea Scanを比較して

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