

## 第4会場 (1階 107)

## Oral Presentation 1

## ABL Therapy

8:30 ~ 9:30

Chair Satoshi Nagase (*National Cerebral and Cardiovascular Center, Japan*)  
Seigo Yamashita (*The Jikei University School of Medicine, Japan*)

**O1-1 COLD SALINE APPLICATION THROUGH IRRIGATION CATHETER INDUCES TRANSIENT INHIBITION OF SURFACE MYOCARDIAL EXCITATION TO DEPTH OF SEVERAL MILLIMETERS**

Osamu Saitoh<sup>1</sup>, Takumi Kasai<sup>1</sup>, Kyogo Fuse<sup>1</sup>, Amana Takeuchi<sup>1</sup>, Hiroko Kobayashi<sup>1,2</sup>, Ayaka Oikawa<sup>1</sup>, Hiroshi Furushima<sup>3</sup>, Masaomi Chinushi<sup>1</sup>

<sup>1</sup>Niigata University, Japan, <sup>2</sup>Niigata University Medical and Dental Hospital, Japan, <sup>3</sup>Furushima Clinic, Japan

**O1-2 SIGNIFICANCE OF PROLONGED-DURATION AND ADDITIONAL RADIOFREQUENCY APPLICATIONS ON LESION FORMATION IN VIVO TISSUE**

Yuto Iio<sup>1</sup>, Yuki Komatsu<sup>1</sup>, Yuka Oda<sup>1</sup>, Chihiro Ota<sup>1</sup>, Yuichi Hanaki<sup>1</sup>, Akira Kimata<sup>1</sup>, Kojiro Ogawa<sup>1</sup>, Hiro Yamasaki<sup>1</sup>, Miyako Igarashi<sup>1</sup>, Akihiko Nogami<sup>1</sup>, Masaki Ieda<sup>1</sup>

<sup>1</sup>University of Tsukuba, Japan

**O1-3 NOVEL MEASURE OF LOCAL IMPEDANCE PREDICTS LESION FORMATION WHEN USING COOLED RADIOFREQUENCY ABLATION WITH HALF-NORMAL SALINE**

Ikutaro Nakajima

*St. Marianna University School of Medicine, Japan*

**O1-4 IRRIGATION FLOW VOLUME-DEPENDENT DISTRIBUTION OF EXCITATION RECOVERABLE MYOCARDIUM AFTER RADIOFREQUENCY APPLICATION**

Takumi Kasai<sup>1</sup>, Osamu Saitoh<sup>1</sup>, Kyogo Fuse<sup>1</sup>, Amana Takeuchi<sup>1</sup>, Hiroko Kobayashi<sup>1,2</sup>, Ayaka Oikawa<sup>1</sup>, Hiroshi Furushima<sup>3</sup>, Masaomi Chinushi<sup>1</sup>

<sup>1</sup>Niigata University, Japan, <sup>2</sup>Niigata University Medical and Dental Hospital, Japan, <sup>3</sup>Furushima Clinic, Japan

**O1-5 ACTUAL TISSUE TEMPERATURE CHARACTERISTICS DURING ABLATION WITH QDOTMICRO (Qmode and Qmode+) VS. TactiCath SE VS. THERMOCOOL SMART TOUCH: FINDINGS FROM AN IN-VIVO PORCINE STUDY**

Masanaru Sawada, Naoto Otsuka, Koichi Nagashima, Ryuta Watanabe, Yuji Wakamatsu, Satoshi Hayashida, Shu Hirata, Moyuru Hirata, Sayaka Kurokawa, Yasuo Okumura

*Nihon University, Japan*

## Oral Presentation 2

## AF fibrosis

11 : 00 ~ 12 : 00

Chair Yasutoshi Nagata (*Japanese Red Cross Musashino Hospital, Japan*)  
Yoshihisa Naruse (*Hamamatsu University Hospital, Japan*)

- O2-1 RELATIONSHIP BETWEEN COMPLEX FRACTIONATED ELECTROGRAMS (CFE) AND HISTOLOGICAL FIBROSIS IN PERSISTENT ATRIAL FIBRILLATION (AF)**  
Yuki Kawano<sup>1</sup>, Takanori Yamaguchi<sup>2</sup>, Yuya Takahashi<sup>2</sup>, Toyokazu Otsubo<sup>2</sup>, Kana Nakashima<sup>2</sup>, Kodai Shinzato<sup>2</sup>, Ryosuke Osako<sup>2</sup>, Shigeki Shichida<sup>2</sup>, Toshiaki Kadokami<sup>1</sup>, Koichi Node<sup>2</sup>  
<sup>1</sup>Saiseikai Futsukaichi Hospital, Japan, <sup>2</sup>Saga University, Japan
- O2-2 CARDIAC FIBROSIS SCORE BASED ON MYOCARDIAL BIOPSY TRANSCRIPTOME IN DILATED CARDIOMYOPATHY CORRELATES WITH RATE OF FIBROSIS IN CARDIAC TISSUE**  
Reo Hata, Yoshinori Yoshida, Takao Kato, Takeshi Makiyama  
Kyoto University Hospital, Japan
- O2-3 RELATIONSHIP BETWEEN HISTOLOGICAL FINDINGS AND INFLAMMATORY CELL INFILTRATION IN PATIENTS WITH ATRIAL FIBRILLATION: AN ANALYSIS BASED ON ATRIAL BIOPSY**  
Yuya Takahashi<sup>1</sup>, Takanori Yamaguchi<sup>1</sup>, Toyokazu Otsubo<sup>1</sup>, Kana Nakashima<sup>1</sup>, Kodai Shinzato<sup>1</sup>, Ryosuke Osako<sup>1</sup>, Shigeki Shichida<sup>1</sup>, Yuki Kawano<sup>2</sup>, Akira Fukui<sup>3</sup>, Atsushi Kawaguchi<sup>1</sup>, Shinichi Aishima<sup>1</sup>, Tsunenori Saito<sup>4</sup>, Naohiko Takahashi<sup>3</sup>, Koichi Node<sup>1</sup>  
<sup>1</sup>Saga University, Japan, <sup>2</sup>Saiseikai Futsukaichi Hospital, Japan, <sup>3</sup>Oita University, Japan, <sup>4</sup>Nippon Medical School Tamanagayama Hospital, Japan
- O2-4 THE MYOCARDIAL DIVERSITY AT THE REGION OF THE MEMBRANOUS SEPTUM AND ITS POSSIBLE FOR ARRHYTHMOGENIC SUBSTRATE**  
Eri Nakamura, Takaaki Matsuyama, Maiko Kusano, Taku Asano, Toshiro Shinke  
Showa University, Japan
- O2-5 SEX DIFFERENCE IN ELECTROANATOMIC AND HISTOLOGICAL CHARACTERISTICS IN PATIENTS WITH ATRIAL FIBRILLATION**  
Kana Nakashima<sup>1</sup>, Takanori Yamaguchi<sup>1</sup>, Yuya Takahashi<sup>1</sup>, Toyokazu Otsubo<sup>1</sup>, Shigeki Shichida<sup>1</sup>, Kodai Shinzato<sup>1</sup>, Ryosuke Osako<sup>1</sup>, Motoko Hirai<sup>1</sup>, Akira Fukui<sup>2</sup>, Naohiko Takahashi<sup>2</sup>, Koichi Node<sup>1</sup>  
<sup>1</sup>Saga University, Japan, <sup>2</sup>Oita University, Japan

**Oral Presentation 3**  
**AF mapping1**

14:00 ~ 15:00

Chair Yoshihisa Enjyoji (*Kasai Shoikai Hospital, Japan*)  
Koki Nakamura (*Gunma Prefectural Cardiovascular Center, Japan*)

**O3-1** 演題は取り下げられました

**O3-2** **CATHETER ABLATION FOR ATRIAL FIBRILLATION GUIDED BY A SEQUENTIAL MAP USING ULTRA-HIGH DENSITY MAPPING SYSTEM**

Soichiro Yamashita, Sae Ujio, Takanori Maeda, Yuta Kusakabe, Mayuka Masuda, Makoto Takemoto, Wataru Fujimoto, Koji Kuroda, Junichi Imanishi, Masamichi Iwasaki, Takafumi Todoroki, Masanori Okuda  
*Hyogo Prefectural Awaji Medical Center, Japan*

**O3-3** **INITIAL RESULTS OF ABLATION BY CARTO FINDER FOR P-AF**

Kenji Enta, Futoshi Numazaki, Kazuhiro Takahashi  
*Hokuto Hospital, Japan*

**O3-4** **NOVEL OMNIPOLAR MAPPING TECHNOLOGY FOR EFFECTIVE SUPERIOR VENA CAVA ISOLATION: A RANDOMIZED CLINICAL TRIAL**

Naoto Oguri, Yosaku Okubo, Takumi Sakai, Yodo Odake, Yukimi Uotani, Shogo Miyamoto, Shunsuke Miyauchi, Sho Okamura, Takehito Tokuyama, Yukiko Nakano  
*Hiroshima University Hospital, Japan*

**O3-5** **INITIAL CLINICAL EXPERIENCE WITH A NOVEL 8-SPLINE HIGH-RESOLUTION MAPPING CATHETER IN ATRIAL FIBRILLATION ABLATION**

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

**Oral Presentation 4**  
**AF mapping2**

15 : 10 ~ 16 : 10

Chair Shingen Owada (*Iwate Medical University, Japan*)  
Kunihiko Kiuchi (*Yodogawa Christian Hospital, Japan*)

- O4-1 CHARACTERISTICS OF ATRIAL BIPOLAR VOLTAGE MAP USING A NOVEL 8-SPLINE HIGH-DENSITY MULTI-ELECTRODE CATHETER**  
Ko Akimoto<sup>1</sup>, Yoshihide Takahashi<sup>1</sup>, Naoya Kikkoji<sup>1</sup>, Ryota Maeno<sup>1</sup>, Sadahiro Hijikata<sup>1</sup>, Taku Fukushima<sup>1</sup>, Hironori Sato<sup>1</sup>, Kaoru Sakurai<sup>1</sup>, Koji Azegami<sup>1</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>*Shin-yurigaoka General Hospital, Japan*, <sup>2</sup>*Tokyo Medical and Dental University, Japan*
- O4-2 PULMONARY VEIN ISOLATION USING THE OMNIPOLAR VOLTAGE BY OMNIPOLAR TECHNOLOGY**  
Miho Sugitani, Takanao Mine, Takehiro Kogame, Eiji Fukuhara, Masaharu Ishihara  
*Hyogo Medical University, Japan*
- O4-3 COULD NEW MULTIPOLAR MAPPING CATHETER AND CARTOFINDER ALGORITHM HELP TAKE THE NEXT STRATEGY IN ABLATION FOR PERSISTENT ATRIAL FIBRILLATION?**  
Keiichi Ashikaga, Yasuaki Tsumagari, Honsa Kang, Miwa Ito, Kengo Ayabe, Yoshisato Shibata  
*Miyazaki Medical Association Hospital, Japan*
- O4-4 EFFICACY OF LEFT ATRIAL UNIPOLAR VOLTAGE MAPPING AFTER POSTERIOR WALL ISOLATION FOR PERSISTENT ATRIAL FIBRILLATION**  
Hirofumi Kujiraoka, Taku Kanzaki, Seiya Komine, Masataka Sunagawa, Wataru Tsuno, Yoshiaki Mizunuma, Takafumi Sasaki, Koichiro Yamaoka, Tomoyuki Arai, Dai Inagaki, Kiyotaka Yoshida, Takashi Kimura, Masao Takahashi, Rintaro Hojo, Takaaki Tsuchiyama, Seiji Fukamizu  
*Tokyo Metropolitan Hiroo Hospital, Japan*
- O4-5 CAN CYCLE LENGTH OBTAINED BY CARTOFINDER BE USED AS DOMINANT FREQUENCY?**  
Masafumi Shimojo, Yasuya Inden, Kei Hiramatsu, Ryota Yamauchi, Noriyuki Suzuki, Naoki Tsurumi, Ryo Watanabe, Kazumasa Suga, Satoshi Yanagisawa, Yukiomi Tsuji, Toyoaki Murohara  
*Nagoya University Graduate School of Medicine, Japan*

## 第5会場 (1階 108)

Oral Presentation 5  
SVT ABL

8 : 30 ~ 9 : 30

Chair Hiroshige Yamabe (*Shin-koga Hospital, Japan*)  
Kenichiro Otomo (*Ome Municipal General Hospital, Japan*)

- O5-1 EVALUATION OF THE RIGHT INFERIOR EXTENSION OF ATRIOVENTRICULAR NODE IN PATIENTS WITH ATYPICAL ATRIOVENTRICULAR NODAL REENTRANT TACHYCARDIA**  
Mihoko Kawabata<sup>1</sup>, Shingo Maeda<sup>1</sup>, Tatsuaki Kamata<sup>1</sup>, Kaoru Okishige<sup>2</sup>, Hirotsugu Atarashi<sup>3</sup>, Kenzo Hirao<sup>1</sup>  
<sup>1</sup>AOI Universal Hospital, Japan, <sup>2</sup>Yokohama Minato Heart Clinic, Japan, <sup>3</sup>AOI Hachioji Hospital, Japan
- O5-2 HIGH-DENSITY MAPPING OF THE TRIANGLE OF KOCH DURING SINUS RHYTHM IN PATIENTS WITH AND WITHOUT ATRIOVENTRICULAR NODAL REENTRANT TACHYCARDIA**  
Koichiro Kumagai, Hideko Toyama  
*Fukuoka Sanno Hospital, Japan*
- O5-3 HIS BUNDLE ELECTROGRAM POLARITY CHANGING BETWEEN ATRIOVENTRICULAR ORTHODROMIC AND RETROGRADE JUNCTIONAL CONDUCTION**  
Tadanori Nakata, Kodai Sayama, Hidenori Hirano, Junichi Doi, Satoshi Hara, Yoshikazu Sato, Naoyuki Miwa, Shigeki Kusa, Hitoshi Hachiya  
*Tsuchiura Kyodo General Hospital, Japan*
- O5-4 HIGH-DENSITY MAPPING GUIDED AP ABLATION: NOVEL ABLATION STRATEGY FOR ACCESSORY PATHWAY ABLATION IN WPW PATIENT**  
Koji Sudo<sup>1</sup>, Kenji Kuroki<sup>1</sup>, Yuya Tanaka<sup>1</sup>, Akira Sato<sup>1</sup>, Kazuya Nakagawa<sup>2</sup>, Tetsuya Asakawa<sup>2</sup>, Tomoaki Hasegawa<sup>3</sup>, Kazutaka Aonuma<sup>3</sup>  
<sup>1</sup>University of Yamanashi, Japan, <sup>2</sup>Yamanashi Kosei Hospital, Japan, <sup>3</sup>Mito Saiseikai General Hospital, Japan
- O5-5 USEFULNESS OF LAST DEFLECTION MAPPING USING THE ADVISOR HD GRID MAPPING CATHETER IN ACCESSORY PATHWAY ABLATION**  
Masakazu Kaneko<sup>1</sup>, Yasutoshi Nagata<sup>1</sup>, Tomoki Horie<sup>1</sup>, Yuta Taomoto<sup>1</sup>, Toshihiro Nozato<sup>1</sup>, Takashi Ashikaga<sup>1</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>Japanese Red Cross Musashino Hospital, Japan, <sup>2</sup>Tokyo Medical and Dental University Hospital, Japan

Oral Presentation 6  
薬理

9 : 50 ~ 10 : 50

Chair Naoki Matsumoto (*St. Marianna University School of Medicine, Japan*)  
Eitaro Kodani (*Nippon Medical School Tamanagayama Hospital, Japan*)

- O6-1 IN VIVO ANALYSIS OF EFFICACY OF PHARMACOLOGICAL INTRACELLULAR CALCIUM MODIFICATION ON DOFETILIDE-INDUCED TORSADE DE POINTES ASSESSED IN ANESTHETIZED ACUTE ATRIOVENTRICULAR BLOCK RABBITS**  
Yoshinobu Nagasawa, Satoshi Kawakami, Yuki Ishimaru, Megumi Aimoto, Akira Takahara  
*Toho University, Japan*
- O6-2 DIFFERENT MODIFICATORY ACTIONS OF ISOPROTERENOL AND ALDOSTERONE ON THE CHRONIC VOLUME OVERLOAD-INDUCED REMODELED HEART IN RATS**  
Megumi Aimoto, Ayane Shimizu, Yuka Tanaka, Yoshinobu Nagasawa, Akira Takahara  
*Toho University, Japan*

**O6-3 PROTON PUMP INHIBITORS BY THEMSELVES HAVE A POTENTIAL TO PROLONG QT INTERVAL**

**Ryuichi Kambayashi**, Ai Goto, Hiroko Izumi-nakaseko, Yoshinori Takei, Atsushi Sugiyama  
*Toho University, Japan*

**O6-4 THE IMPACT OF microRNAs WITHIN THE BLOOD EXOSOMES ON RECURRENCE AFTER CATHETER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION**

**Masatoshi Narikawa**, Akira Horigome, Shuichi Miyagawa, Yoshinori Okazaki, Yuka Taguchi, Junya Hosoda, Kiyoshi Hibi  
*Yokohama City University, Japan*

**O6-5 COMPARATIVE EXPRESSION PROFILES OF microRNA IN LEFT ATRIAL APPENDAGE FROM CARDIAC SURGICAL PATIENTS WITH ATRIAL FIBRILLATION UNDERGOING INTRAOPERATIVE CARDIOVERSION**

**Masahiro Fujii**<sup>1</sup>, Sho Onoda<sup>1</sup>, Yasuhiro Kawase<sup>1</sup>, Ryuzo Bessho<sup>1</sup>, Yosuke Ishii<sup>2</sup>  
*<sup>1</sup>Nippon Medical School Chiba Hokusoh Hospital, Japan, <sup>2</sup>Nippon Medical School, Japan*

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第6会場 (1階 104+105)

Oral Presentation 7  
AF marschal

8 : 30 ~ 9 : 40

Chair Takehiko Keida (*Edogawa Hospital, Japan*)  
Yoshihito Hata (*Tokyo Kamata Hospital, Japan*)

- 07-1 EFFECT OF ADDITIONAL SUPERIOR VENA CAVA ISOLATION TO PULMONARY VEIN ISOLATION ON POSTOPERATIVE HEART RATE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**  
Kodai Negishi, Ken Okumura, Fumitaka Onishi, Akino Yoshimura, Hideharu Okamatsu, Yasuaki Tanaka, Takuo Tsurugi, Junjiroh Koyama  
*Saiseikai Kumamoto Hosipital, Japan*
- 07-2 DIFFERENTIAL PACING MANEUVER FROM THE VEIN OF MARSHALL:NOVEL PACING METHOD TO DETECT EPICARDIAL CONNECTION THROUGH THE MITRAL ISTHMUS**  
Naohiko Kawaguchi, Yasuaki Tanaka, Kenji Okubo, Shinichi Tachibana, Emiko Nakashima, Katsumasa Takagi, Atsushi Takahashi  
*Yokosuka Kyosai Hospital, Japan*
- 07-3 OPTIMIZED ASSESSMENT OF THE ROOFLINE BLOCK USING A MULTI-SPLINES MAPPING CATHETER**  
Takamitsu Takagi, Kentaro Nakata, Toshiki Michishita, Yuhei Isonaga, Toshikazu Kono, Hiroaki Ohya, Yukihiro Inamura, Akira Sato, Osamu Inaba  
*Saitama Red Cross Hospital, Japan*
- 07-4 THE DISTRIBUTION OF BRANCHES OF THE VEIN OF MARSHALL IS A PREDICTOR OF LOW VOLTAGE AREAS INDUCED BY ETHANOL INFUSION INTO THE VEIN OF MARSHALL**  
Yosuke Nakatani, Yutaka Take, Shingo Yoshimura, Ryoya Takizawa, Koji Goto, Kenichi Kaseno, Hideyuki Aoki, Koki Kimura, Yumiko Haraguchi, Takehito Sasaki, Yuko Miki, Kohki Nakamura, Shigeto Naito  
*Gunma Prefectural Cardiovascular Center, Japan*
- 07-5 PREVALENCE OF ATRIAL TACHYCARDIA ASSOCIATED WITH MITRAL ISTHMUS RECONDUCTION AFTER VEIN OF MARSHALL CHEMICAL ABLATION**  
Yasuhiro Shirai<sup>1</sup>, Takeshi Sasaki<sup>1</sup>, Ryo Nagasawa<sup>1</sup>, Hikaru Shimosato<sup>1</sup>, Tomohiro Tahara<sup>1</sup>, Kazuto Hayasaka<sup>1</sup>, Keita Watanabe<sup>1</sup>, Masahiko Goya<sup>2</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>*NHO Disaster Medical Center, Japan*, <sup>2</sup>*Tokyo Medical and Dental University, Japan*
- 07-6 EFFICACY OF ETHANOL INFUSION INTO THE VEIN OF MARSHALL FOR PERSISTENT ATRIAL FIBRILLATION AND RECURRENT ATRIAL TACHYCARDIA**  
Yutaka Take, Yosuke Nakatani, Shingo Yoshimura, Hideyuki Aoki, Ryoya Takizawa, Koki Kimura, Yumiko Haraguchi, Takehito Sasaki, Yuko Miki, Koji Goto, Kenichi Kaseno, Kohki Nakamura, Shigeto Naito  
*Gunma Prefectural Cardiovascular Center, Japan*

## Oral Presentation 8

### AF Balloon1

9 : 50 ~ 10 : 50

Chair Hiroshi Sohara (*Shonan Tobu General Hospital, Japan*)  
Kenji Kuroki (*University of Yamanashi, Japan*)

- 08-1 OUTCOME OF ROOF LINE ABLATION WITH CRYOBALLOON: INDISCRIMINATE ROOF LINE CREATION MAY INHIBIT IMPROVEMENT IN LEFT ATRIAL REMODELLING**  
Katsuya Akitsu, Tadashi Fujino, Hosei Kikushima, Ryo Wada, Shintaro Yao, Kensuke Yano, Masaya Shinohara, Takanori Ikeda  
*Toho University Graduate School of Medicine, Japan*
- 08-2 PREDICTORS OF LATE PULMONARY VEIN RECONNECTION IN PATIENTS WITH ARRHYTHMIA RECURRENCE AFTER CRYOBALLOON ABLATION-PER VEIN ANALYSIS INCLUDING CARDIAC COMPUTED TOMOGRAPHY-BASED ANATOMIC FACTORS**  
Muryo Terasawa<sup>1</sup>, Tomoya Okano<sup>1</sup>, Masafumi Onishi<sup>1</sup>, Yasuyuki Takada<sup>2</sup>, Takahiro Kusume<sup>1</sup>, Shuichiro Kazawa<sup>2</sup>, Yoshinao Yazaki<sup>1</sup>, Kazuhiro Satomi<sup>1</sup>  
<sup>1</sup>*Tokyo Medical University, Japan*, <sup>2</sup>*Tokyo Medical University Hachioji Medical Center, Japan*
- 08-3 PV ISOLATION DETERMINED BY USE OF WIDE PULSE STIMULATION BY TIP ELECTRODES DURING HOT BALLOON ABLATION**  
Tatsuya Amano, Yoshitaka Hiroe, Hideki Ueno, Shutaro Satake  
*Hayama Heart Center, Japan*
- 08-4 LOW INCIDENCE OF PULMONARY VEIN STENOSIS AFTER PULMONARY VEIN ISOLATION USING A THIRD-GENERATION LASER BALLOON (X3), WITH 13W-RAPID MODE**  
Kosuke Fujibayashi, Yushi Yasuda, Kai Tanaka, Yuki Kuzume, Jun Sawaguchi, Eiichi Ueno, Nakaba Fujioka, Koji Kajinami  
*Kanazawa Medical University, Japan*
- 08-5 CONSIDERATION OF NON-CONTRAST CRYOBALLOON ABLATION USING A SIMPLE PULMONARY VEIN PRESSURE WAVEFORM AT THE TIP OF THE CRYOBALLOON**  
Mariko Tanaka, Shinya Hayashi, Takahiro Yasuda, Ryota Kida, Sho Hashimoto, Junichi Ooka, Yoshiaki Shimoda, Tetsuya Tanaka, Morihiko Kondo  
*JCHO Kobe Central Hospital, Japan*

## Oral Presentation 9

### AF Balloon2

11 : 00 ~ 12 : 10

Chair Atsushi Suzuki (*Tokyo Yamate Medical Center, Japan*)  
Takeshi Sasaki (*NHO Disaster Medical Center, Japan*)

- 09-1 EVALUATION OF ACUTE SUCCESS RATE AND SAFETY OF TWO CRYOBALLOON ABLATIONS FOR ATRIAL FIBRILLATION**  
Yasuhiro Sasaki, Atsushi Kobori  
*Kobe City Medical Center General Hospital, Japan*
- 09-2 CLINICAL STUDY OF THE DURABILITY OF CRYOBALLOON LEFT ATRIAL ROOFLINE ABLATION IN NON-PAROXYSMAL ATRIAL FIBRILLATION**  
Kazuya Murata<sup>1</sup>, Atsuhito Oda<sup>1</sup>, Hirofumi Arai<sup>1</sup>, Yuichiro Sagawa<sup>1</sup>, Yasuteru Yamauchi<sup>1</sup>, Kaoru Okishige<sup>2</sup>, Masahiko Goya<sup>3</sup>, Tetsuo Sasano<sup>3</sup>  
<sup>1</sup>*Yokohama City Minato Red Cross Hospital, Japan*, <sup>2</sup>*Yokohama Minato Heart Clinic, Japan*, <sup>3</sup>*Tokyo Medical and Dental University Hospital, Japan*



- 09-3 EFFICACY AND SAFETY OF EXTENSIVE PULMONARY VEIN ISOLATION USING CRYOBALLOON-ABLATION IN ATRIAL FIBRILLATION, COMPARED WITH RADIOFREQUENCY ABLATION**  
 Takahiro Furuya, Naoki Aizawa, Kaoru Tanno  
 Showa University Koto Toyosu Hospital, Japan
- 09-4 PREDICTORS OF ATRIAL FIBRILLATION RECURRENCE AFTER CRYOBALLOON ABLATION**  
 Aya Yamane, Noboru Oda, Genki Kurimoto, Shunsuke Ishida, Yuki Yoshitomi, Shogo Matsui, Michiaki Nagai, Eisuke Kagawa, Eiji Kunita, Masaya Kato  
 Hiroshima City North Medical Center Asa Citizens Hospital, Japan
- 09-5 SYMPATHETIC NERVOUS SYSTEM REFLEX DURING CRYOBALLOON ABLATION: THE USE OF MONITORING PSYCHOGENIC SWEATING**  
 Hirotsugu Sato, Yuichi Hori, Yuki Kondo, Reiko Fukuda, Itaru Hisauchi, Shiro Nakahara, Yoshihiko Sakai  
 Dokkyo Medical University Saitama Medical Center, Japan
- 09-6 IMPACT OF DIFFERENT BALLOON-BASED ABLATION ON COAGULATION/ FIBRINOLYSIS BIOMARKERS AND SILENT CEREBRAL EVENTS IN PAROXYSMAL ATRIAL FIBRILLATION**  
 Masahide Harada, Masayuki Koshikawa, Asuka Nishimura, Yoshihiro Nomura, Yuji Motoike, Hideo Izawa  
 Fujita Health University, Japan

メディカルプロフェッショナル口述演題 1  
 デバイス 1

14:00 ~ 15:00

座長 山崎 大輔 (旭川医科大学病院診療技術部臨床工学技術部門)  
 永田 吾一 (東海大学医学部付属病院臨床工学技術科)

- MPO1-1 当院における変時性不全を有するペースメーカー植込み患者の特徴：Heart Rate Scoreを用いた検討**  
 田中 義範<sup>1</sup>, 佐藤 勇也<sup>1</sup>, 山口 和也<sup>1</sup>, 澤崎 史明<sup>1</sup>, 堂野 隆史<sup>1</sup>, 窪田 将司<sup>1</sup>, 中村 愛<sup>2</sup>, 石井 良直<sup>2</sup>  
<sup>1</sup>市立旭川病院臨床工学室, <sup>2</sup>市立旭川病院循環器内科
- MPO1-2 当院における房室ブロック患者へのリードレスペースメーカー植込みの有用性**  
 小林 あさ美<sup>1</sup>, 石田 信一郎<sup>1</sup>, 池田 龍哉<sup>1</sup>, 村岡 希俊<sup>1</sup>, 松崎 範之<sup>1</sup>, 石田 順也<sup>1</sup>, 廣延 直也<sup>2</sup>, 三浦 史晴<sup>2</sup>, 上田 浩徳<sup>2</sup>  
<sup>1</sup>県立広島病院臨床工学科, <sup>2</sup>県立広島病院循環器内科
- MPO1-3 Atrial Pacing Preferenceの不適切作動により心室頻拍ペーシングが持続した1例**  
 三浦 和真<sup>1</sup>, 尾辻 眞矢<sup>1</sup>, 宗 大輔<sup>1</sup>, 泉 雄介<sup>1</sup>, 吉田 京太郎<sup>1</sup>, 鈴木 靖司<sup>2</sup>, 内藤 千裕<sup>2</sup>, 久野 晋平<sup>2</sup>, 天野 哲也<sup>2</sup>  
<sup>1</sup>愛知医科大学病院臨床工学部, <sup>2</sup>愛知医科大学循環器内科
- MPO1-4 Zoomを用いた遠隔通信にて設定変更が可能であった1例**  
 白石 大輔<sup>1</sup>, 野村 起<sup>1</sup>, 野澤 朋寛<sup>1</sup>, 石畑 貴道<sup>1</sup>, 吉田 明弘<sup>2</sup>, 高見 薫<sup>2</sup>, 秋田 朋己<sup>2</sup>, 樺田 高浩<sup>2</sup>  
<sup>1</sup>北播磨総合医療センター臨床工学室, <sup>2</sup>北播磨総合医療センター循環器内科
- MPO1-5 植込み型心臓モニタのP波検出率およびAF検出精度の比較**  
 高橋 明里<sup>1</sup>, 柳下 敦彦<sup>2</sup>, 小島 優<sup>1</sup>, 白須 美佐子<sup>1</sup>, 永田 吾一<sup>1</sup>, 坂間 晋<sup>2</sup>, 吉岡 公一郎<sup>2</sup>  
<sup>1</sup>東海大学医学部付属病院診療技術部臨床工学技術科, <sup>2</sup>東海大学医学部内科学系循環器内科学

**Oral Presentation 10**  
**AF Heart Failure**

16 : 20 ~ 17 : 30

Chair Kenji Yodogawa (*Nippon Medical School, Japan*)  
Shigeki Kusa (*Tsuchiura Kyodo General Hospital, Japan*)

- O10-1 LEFT ATRIAL LOW-VOLTAGE-AREA PRESENCE PREDICTS HEART FAILURE DEVELOPMENT AFTER CATHETER ABLATION OF ATRIAL FIBRILLATION**  
Hiroyuki Uematsu, Masaharu Masuda, Takuya Tsujimura, Yoshihiro Matsuda, Naoko Higashino, Takashige Sakio, Ayako Sugino, Satoshi Kudo, Hiroataka Ooka, Subaru Fujii, Toshiaki Mano  
*Kansai Rosai Hospital, Japan*
- O10-2 CONTEMPORARY GUIDELINE-DIRECTED MEDICAL THERAPY (GDMT) FOR HEART FAILURE (HF) REDUCED THE INCIDENCE OF NEW-ONSET ATRIAL FIBRILLATION AND RE-HOSPITALIZATION FOR HF**  
Masaki Tokutome, Kei Ikuta, Junpei Itonaga, Hiroshi Kisanuki, Ayano Hara, Masashi Sada, Kosuke Okabe, Arihide Okahara, Shunsuke Kawai, Masatsugu Nakano, Hirohide Matsuura, Ryuichi Matsukawa, Yasushi Mukai  
*Japanese Red Cross Fukuoka Hospital, Japan*
- O10-3 PROGNOSTIC IMPACT OF EARLY CATHETER ABLATION FOR ATRIAL FIBRILLATION WITH DECOMPENSATED HEART FAILURE**  
Arihide Okahara, Shunsuke Kawai, Masaki Tokutome, Hirohide Matsuura, Kosuke Okabe, Jumpei Itonaga, Hiroshi Kisanuki, Ayano Hara, Kei Ikuta, Masashi Sada, Masatsugu Nakano, Ryuichi Matsukawa, Yasushi Mukai  
*Japanese Red Cross Fukuoka Hospital, Japan*
- O10-4 DIFFERENCE IN PROGNOSTIC IMPACT OF ATRIAL FIBRILLATION CATHETER ABLATION IN HFpEF VERSUS HFrEF**  
Takahisa Koi, Naoya Kataoka, Keisuke Uchida, Teruhiko Imamura, Koichiro Kinugawa  
*Toyama University, Japan*
- O10-5 CAN ATRIAL FIBRILLATION WITH PRESERVED EJECTION FRACTION BESUCCESSFULLY TREATED BY CATHETER ABLATION REGARDLESS OF HEART FAILURE?**  
Kaishi Otsuka<sup>1</sup>, Asumi Takei<sup>1</sup>, Shuji Arakawa<sup>1</sup>, Yoshiyuki Doi<sup>1</sup>, Satoki Fukae<sup>1</sup>, Kenzo Fukuhara<sup>2</sup>, Masafumi Takeda<sup>2</sup>, Akira Kimata<sup>2</sup>, Nobutaka Inoue<sup>2</sup>, Koji Maemura<sup>1</sup>  
<sup>1</sup>Nagasaki University Hospital, Japan, <sup>2</sup>Kobe Rosai Hospital, Japan
- O10-6 HIGH HEART RATE AT EXERCISE CAUSES HEART FAILURE READMISSION IN PATIENTS WITH PERSISTENT ATRIAL FIBRILLATION**  
Hiroshi Shimada  
*Yokohama Minami Kyosai Hospital, Japan*

**Oral Presentation 11**

**AF1**

16:20 ~ 17:30

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Chair Kazuo Usuda (*Toyama Prefectural Central Hospital, Japan*)  
Fuminori Odagiri (*Juntendo University Urayasu Hospital, Japan*)

**O11-1 SIGNIFICANCE OF SOLUBLE FIBRIN MEASUREMENT IN PATIENTS WITH ATRIAL FIBRILLATION**

**Toru Kawakami**

*Inuyama Chuo General Hospital, Japan*

**O11-2 REQUESTS FOR CONSULTATION WITH CARDIOLOGISTS REGARDING ARRHYTHMIC COMPLICATIONS IN THE FIRST 30 DAYS AFTER NONCARDIAC SURGERY IN ADVANCED MEDICAL CENTERS**

**Ryobun Yasuoka**, Hiroyuki Sakurane, Mana Okune, Motohide Tanaka, Masahiro Maruyama, Gaku Nakazawa, Takashi Kurita

*Kindai University Hospital, Japan*

**O11-3 ACUTE ARRHYTHMIC EVENTS AND THE LONG-TERM OUTCOME IN PATIENTS WITH TAKOTSUBO CARDIOMYOPATHY**

**Misaki Hasegawa**, Atsuhiko Yagishita, Tsutomu Murakami, Kyung Hee Lee, Susumu Sakama, Mari Amino, Koichiro Yoshioka, Yuji Ikari

*Tokai University, Japan*

**O11-4 COMPARISON OF USEFULNESS OF NON-CONTRAST MRI AND NON-CONTRAST CT IN ATRIAL FIBRILLATION ABLATION CASES WITH CHRONIC KIDNEY DISEASE**

**Kentaro Nakamura**, Atsuko Abe, Yuji Kasaoka, Tomoyuki Yamada, Shunichi Tamura, Sayaka Mitarai, Keisuke Ueda, Fumio Suzuki

*Shin-Yamanote Hospital, Japan*

**O11-5 RADIATION EXPOSURE IN PATIENTS ADMITTED FOR ATRIAL FIBRILLATION ABLATION**

**Kyoko Hoshida**

*Kyorin University Hospital, Japan*

**O11-6 ASSOCIATION OF VISCERAL/SUBCUTANEOUS FAT WITH RECURRENCE AFTER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION**

**Soichiro Usumoto**

*Showa University Northern Yokohama Hospital, Japan*

## 第9会場 (2階 206)

## Oral Presentation 12

英語セッション (一部もしくはすべてスライド・発表ともに英語)

## AF Balloon3

8:30 ~ 9:40

Chair Koji Miyamoto (*National Cerebral and Cardiovascular Center, Japan*)  
Hiro Yamasaki (*University of Tsukuba, Japan*)

- O12-1 PREDICTORS OF PULMONARY VEIN RECONNECTION AFTER CRYOBALLOON ABLATION IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION IN EACH INDIVIDUAL PULMONARY VEIN**  
Yukihiro Inamura<sup>1</sup>, Osamu Inaba<sup>1</sup>, Masayo Minegishi<sup>1</sup>, Kentaro Nakata<sup>1</sup>, Gaku Narita<sup>1</sup>, Toshiki Michishita<sup>1</sup>, Yuhei Isonaga<sup>1</sup>, Shunichi Kato<sup>1</sup>, Toshikazu Kono<sup>1</sup>, Hiroaki Ohya<sup>1</sup>, Yasuaki Hada<sup>1</sup>, Miki Kano<sup>1</sup>, Takamitsu Takagi<sup>1</sup>, Ken Negi<sup>1</sup>, Akira Sato<sup>1</sup>, Tsunehiro Yamato<sup>1</sup>, Yutaka Matsumura<sup>1</sup>, Junichi Nitta<sup>2</sup>, Tetsuo Sasano<sup>3</sup>  
<sup>1</sup>Saitama Red Cross Hospital, Japan, <sup>2</sup>Sakakibara Heart Institute, Japan, <sup>3</sup>Tokyo Medical and Dental University, Japan
- O12-2 NOVEL PHRENIC NERVE MONITORING TECHNIQUE DURING CRYOBALLOON PULMONARY VEIN ISOLATION: SUGGESTION BASED ON FIRST EXPERIENCE**  
Hisaki Makimoto, Tomonori Watanabe, Masashi Kamioka, Hiroaki Watanabe, Ayako Yokota, Takahiro Komori, Tomoyuki Kabutoya, Kazunori Anno, Yuko Torigoe-kurosu, Yasushi Imai, Kazuomi Kario  
*Jichi Medical University, Japan*
- O12-3 RELATIONSHIP BETWEEN POSTOPERATIVE LEFT ATRIAL DIAMETER CHANGE IN BALLOON CATHETER ABLATION OF PAROXYSMAL ATRIAL FIBRILLATION**  
Hidenori Sato, Michifumi Tokuda, Satoko Shiomi, Ryutarō Sakurai, Hirotsuna Oseto, Masaaki Yokoyama, Kenichi Tokutake, Mika Kato, Ryohsuke Narui, Shinichi Tanigawa, Seigo Yamashita, Teiichi Yamane, Michihiro Yoshimura  
*The Jikei University School of Medicine, Japan*
- O12-4 THE MID-TERM OUTCOMES OF LEFT ATRIAL POSTERIOR WALL ISOLATION USING THE CRYOBALLOON WITH THE CROSS OVER TECHNIQUE FOR PERSISTENT ATRIAL FIBRILLATION**  
Fuminori Odagiri<sup>1</sup>, Maaya Tadokoro<sup>1</sup>, Kana Tanaka<sup>1</sup>, Shiori Nakagawara<sup>1</sup>, Yasutoshi Akiyama<sup>1</sup>, Masato Tomaru<sup>1</sup>, Koji Hirabayashi<sup>1</sup>, Haruna Tabuchi<sup>2</sup>, Hidemori Hayashi<sup>3</sup>, Takashi Tokano<sup>1</sup>, Masataka Sumiyoshi<sup>2</sup>, Tohru Minamino<sup>3</sup>  
<sup>1</sup>Juntendo University Urayasu Hospital, Japan, <sup>2</sup>Juntendo University Nerima Hospital, Japan, <sup>3</sup>Juntendo University Graduate School of Medicine, Japan
- O12-5 COMPLICATION OF SEPARATE FREEZING TECHNIQUE OF CRYOBALLOON PULMONARY VEIN ISOLATION: NOVEL AND CONVENTIONAL CRYOBALLOON SYSTEM**  
Hirofumi Arai<sup>1</sup>, Atsuhito Oda<sup>1</sup>, Kazuya Murata<sup>1</sup>, Yuichiro Sagawa<sup>1</sup>, Kaoru Okishige<sup>2</sup>, Masahiko Goya<sup>3</sup>, Tetsuo Sasano<sup>3</sup>, Yasuteru Yamauchi<sup>1</sup>  
<sup>1</sup>Yokohama City Minato Red Cross Hospital, Japan, <sup>2</sup>Yokohama Minato Heart Clinic, Japan, <sup>3</sup>Tokyo Medical and Dental University, Japan
- O12-6 VARIATION IN THE LESION FORMATION BY THE BALLOON SIZE AND ABLATION METHOD WITH THIRD-GENERATION LASER BALLOON ABLATION IN AN IN VITRO MODEL**  
Takashi Kanda, Hitoshi Minamiguchi, Nobuhiko Makino, Soichiro Terao, Kazuki Ozato, Satoshi Osaki, Koichi Ochi, Satoshi Nakawatase, Takuya Tominaga, Mikiko Matsumura, Shun Sasaki, Hiromi Tsutsui, Motoki Yasunaga, Yuma Hamanaka, Mikio Shiba, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Atsushi Hirayama, Yoshiharu Higuchi  
*Osaka Police Hospital, Japan*

## 第10会場 (2階 207)

メディカルプロフェッショナル口述演題2  
アブレーション1

8:30～9:30

座長 武居 明日美(長崎大学病院循環器内科)  
高橋 泰仁(札幌医科大学附属病院臨床工学部)

## MPO2-1 DiamondTempアブレーションカテーテルにおける先端温度と組織温度の比較

渡邊 哲広<sup>1</sup>, 福田 怜子<sup>2</sup>, 堀 裕一<sup>2</sup>, 中原 志朗<sup>2</sup>, 田口 功<sup>2</sup><sup>1</sup>獨協医科大学埼玉医療センター臨床工学部, <sup>2</sup>獨協医科大学埼玉医療センター循環器内科

## MPO2-2 心内電位でのPattern Matchingの有用性の検討

樋口 駿太<sup>1</sup>, 吉田 譲<sup>1</sup>, 古賀 悠介<sup>1</sup>, 小林 友哉<sup>1</sup>, 勝乘 勇己<sup>1</sup>, 山崎 春華<sup>1</sup>, 山崎 太貴<sup>1</sup>, 吉野 亘<sup>1</sup>, 工藤 大輔<sup>2</sup>, 田中 尚道<sup>2</sup>, 成田 昌隆<sup>2</sup>, 佐々木 渉<sup>2</sup>, 松本 和久<sup>2</sup>, 筒井 健太<sup>2</sup>, 池田 礼史<sup>2</sup>, 加藤 律史<sup>2</sup>, 森 仁<sup>2</sup><sup>1</sup>埼玉医科大学国際医療センター MEサービス部, <sup>2</sup>埼玉医科大学国際医療センター心臓内科

## MPO2-3 CARTOFINDERからみる持続性心房細動の左房内興奮伝播と左房径の関連性

跡部 明希<sup>1</sup>, 野田 一樹<sup>2</sup>, 千葉 美樹<sup>1</sup>, 尾越 登<sup>1</sup>, 富田 元沖<sup>1</sup>, 小林 美有希<sup>1</sup>, 田沢 未森<sup>1</sup>, 小川 峻<sup>1</sup>, 我妻 莉生<sup>1</sup>, 尾形 剛<sup>2</sup>, 砂村 慎一郎<sup>2</sup>, 若山 裕司<sup>3</sup>, 浪打 成人<sup>2</sup><sup>1</sup>仙台オープン病院診療支援部臨床工学室, <sup>2</sup>仙台オープン病院循環器内科, <sup>3</sup>若山医院循環器内科

## MPO2-4 Focal Patternの興奮伝播を示すAtrial Tachycardiaに対するCARTOFINDERの有用性の検討

鈴木 裕也<sup>1</sup>, 中島 基裕<sup>1</sup>, 長内 宏之<sup>2</sup>, 坂本 裕資<sup>2</sup>, 大口 志央<sup>2</sup>, 春田 良雄<sup>1</sup>, 樋口 知之<sup>1</sup>, 谷口 翔太<sup>1</sup>, 古越 大喬<sup>1</sup>, 古越 恵理<sup>1</sup><sup>1</sup>公立陶生病院臨床工学部, <sup>2</sup>公立陶生病院循環器内科

## MPO2-5 拡大肺静脈隔離術(PVI)における循環器内科医師と麻酔科医師による全身麻酔管理

高松 幸子<sup>1</sup>, 橋 元見<sup>2</sup>, 伴場 主一<sup>2</sup><sup>1</sup>心臓病センター榊原病院看護部, <sup>2</sup>心臓病センター榊原病院循環器内科メディカルプロフェッショナル口述演題3  
心電図・生体モニタリング1

9:40～10:50

座長 榎本 善成(国立国際医療研究センター病院)  
齋藤 和(札幌医科大学附属病院検査部)

## MPO3-1 心電図導出追加誘導に関する研究：急性たこつぼ症候群と急性前壁梗塞の鑑別の有用性

山本 誠一

岡村一心堂病院臨床検査科

## MPO3-2 循環器専門クリニックにおける植込み型心電計植込み日帰り手術運用開始後の現状と臨床転帰の調査

長町 千里<sup>1</sup>, 井上 完起<sup>2</sup>, 関口 奈津子<sup>3</sup>, 上戸 ゆず<sup>1</sup>, 関口 幸夫<sup>2</sup>, 辺 泰樹<sup>4</sup>, 井口 信雄<sup>4</sup>, 新田 順一<sup>2</sup>, 磯部 光章<sup>2</sup><sup>1</sup>榊原記念クリニック看護部, <sup>2</sup>榊原記念病院循環器内科, <sup>3</sup>榊原記念病院看護部, <sup>4</sup>榊原記念クリニック循環器内科

**MPO3-3 当院での失神原因精査における長時間ホルター心電図検査の検査実績について：他モダリティとの比較**

丸田 穂<sup>1</sup>, 高原 美樹<sup>1</sup>, 佐竹 郁哉<sup>1</sup>, 岩佐 恵黎花<sup>1</sup>, 左古田 悦子<sup>1</sup>, 水田 裕一<sup>1</sup>, 高橋 海帆<sup>1</sup>, 簗田 直樹<sup>1</sup>, 松崎 俊樹<sup>1</sup>, 住ノ江 功夫<sup>1</sup>, 足立 道伸<sup>2</sup>, 津野田 和弥<sup>2</sup>, 寺西 仁<sup>3</sup>

<sup>1</sup>姫路赤十字病院検査技術部生体検査課, <sup>2</sup>姫路赤十字病院臨床工学技術課, <sup>3</sup>姫路赤十字病院循環器内科

**MPO3-4 パッチ型長時間心電図レコーダの電極装着部位によるQRS波認識精度の検討**

鈴木 郁枝<sup>1</sup>, 河内 由衣<sup>1</sup>, 清水 康平<sup>1</sup>, 大島 佳奈<sup>1</sup>, 榎谷 直司<sup>1</sup>, 久武 真二<sup>2</sup>, 藤野 紀之<sup>2</sup>, 池田 隆徳<sup>2</sup>

<sup>1</sup>東邦大学医療センター大森病院臨床生理機能検査部, <sup>2</sup>東邦大学医療センター大森病院循環器内科

**MPO3-5 Spiked Helmet Signの2例**

三宅 穂岳<sup>1</sup>, 増田 信弥<sup>1</sup>, 堀江 稔<sup>2</sup>

<sup>1</sup>京都民医連中央病院検査技術課, <sup>2</sup>京都民医連中央病院臨床検査科・臨床研究部

**MPO3-6 心電図検査を契機としてMINOCA (Myocardial Infarction with non-Obstructive Coronary Artery)が疑われた1症例**

山崎 正之<sup>1</sup>, 上月 周<sup>2</sup>, 兼田 幸希<sup>1</sup>, 田外 大輝<sup>1</sup>, 田村 仁香<sup>1</sup>, 高岡 理恵<sup>1</sup>, 馬渡 未来<sup>1</sup>, 牧野 美穂<sup>1</sup>, 高塚 慶子<sup>1</sup>, 末松 唯<sup>1</sup>, 堀家 由貴<sup>1</sup>, 原口 律香<sup>1</sup>, 友蔭 明日香<sup>1</sup>, 藤田 淳子<sup>1</sup>, 安田 栄泰<sup>1</sup>, 大嶋 里美<sup>1</sup>, 木島 洋一<sup>2</sup>

<sup>1</sup>大阪府済生会中津病院検査技術部, <sup>2</sup>大阪府済生会中津病院循環器内科

**メディカルプロフェッショナル口述演題 4**

**心電図・生体モニタリング 2**

11:00 ~ 12:10

座長 樗木 晶子 (福岡歯科大学医科歯科総合病院/福岡看護大学)  
山崎 正之 (大阪府済生会中津病院)

**MPO4-1 肥大型心筋症における心房細動発症とeGFR低下との関連**

妻屋 裕理子<sup>1</sup>, 林 研至<sup>2,3</sup>, 中出 祐介<sup>1</sup>, 宮嶋 良康<sup>1</sup>, 中田 晶子<sup>1</sup>, 寺上 貴子<sup>1</sup>, 大江 宏康<sup>1</sup>, 大島 恵<sup>1</sup>, 津田 豊暢<sup>3</sup>, 野村 章洋<sup>3</sup>, 森 三佳<sup>1,3</sup>, 加藤 武史<sup>3</sup>, 藤野 陽<sup>3</sup>, 高村 雅之<sup>3</sup>, 蒲田 敏文<sup>1</sup>

<sup>1</sup>金沢大学附属病院検査部, <sup>2</sup>金沢大学医薬保健研究域保健学系検査技術学専攻, <sup>3</sup>金沢大学附属病院循環器内科

**MPO4-2 心房細動における低電位領域の発生予測因子に関する検討**

小島 光司<sup>1</sup>, 林 美月<sup>1</sup>, 井上 美奈<sup>1</sup>, 左右田 昌彦<sup>1</sup>, 西村 直子<sup>1</sup>, 奥村 諭<sup>2</sup>, 高田 康信<sup>2</sup>

<sup>1</sup>江南厚生病院臨床検査室, <sup>2</sup>江南厚生病院循環器内科

**MPO4-3 シート状圧電センサを用いた心弾動検出による心拍モニタリング**

濱田 里美<sup>1,2</sup>, 石川 紗佳<sup>1</sup>, 笹野 哲郎<sup>1</sup>

<sup>1</sup>東京医科歯科大学大学院医歯学総合研究科循環制御内科学, <sup>2</sup>東京医科歯科大学病院検査部

**MPO4-4 NT-ProBNP値と7日間ホルター心電図を組み合わせた心房細動アブレーション後の再発性心房不整脈の検出率の評価**

武田 淳<sup>1</sup>, 原田 将英<sup>2</sup>, 阪野 有希菜<sup>3</sup>, 西村 明日香<sup>2</sup>, 野村 佳弘<sup>2</sup>, 本池 雄二<sup>2</sup>, 越川 真行<sup>2</sup>, 井澤 英夫<sup>2</sup>

<sup>1</sup>藤田医科大学病院臨床検査部, <sup>2</sup>藤田医科大学病院循環器内科, <sup>3</sup>藤田医科大学ばたね病院臨床工学部

**MPO4-5 高分解能24時間ホルター心電計(AECG)による心室遅延電位(h-LP)の判定基準とする至適計測点についての検討**

原田 直美<sup>1</sup>, 橋本 賢一<sup>1</sup>, 木俣 元博<sup>1</sup>, 河村 優輔<sup>1</sup>, 高山 忠輝<sup>2</sup>, 笠巻 祐二<sup>3</sup>

<sup>1</sup>防衛医科大学校総合臨床部, <sup>2</sup>日本大学医学部内科学系総合診療学分野, <sup>3</sup>金沢医科大学氷見市民病院総合診療科

**MPO4-6 長時間心電図レコーダで診断された洞不全症候群(Rubenstein分類II・III群)27例の検討**

荒木 沙夜乃<sup>1</sup>, 浅沼 里依子<sup>1</sup>, 坂部 茂俊<sup>2</sup>, 北村 智子<sup>1</sup>, 市川 真嗣<sup>1</sup>, 土屋 佑佳<sup>1</sup>, 福島 詩織<sup>1</sup>, 山岸 歩空人<sup>2</sup>, 前野 健一<sup>2</sup>, 笠井 篤信<sup>2</sup>

<sup>1</sup>伊勢赤十字病院臨床検査課, <sup>2</sup>伊勢赤十字病院循環器内科

**Oral Presentation 13**

**AF Balloon4**

14 : 00 ~ 15 : 00

Chair Atsushi Kobori (*Kobe City Medical Center General Hospital, Japan*)  
Takahiko Nagase (*Higashiyama Hospital, Japan*)

**O13-1 SHORT-TERM RESULTS OF NEW COATED LASERBALLON ABLATION: COMPARISON WITH CONVENTIONAL NON-COATED LASERBALLON AND CRYOBALLOON ABLATION**

Junya Komatsu, Shinji Mito, Hiroki Nakayama, Masato Nukariya, Masahiko Fukatani  
*Chikamori Hospital, Japan*

**O13-2 DIFFERENCES IN THE FEASIBILITY AND ANATOMICAL PARAMETERS PREDICTING PROCEDURAL DIFFICULTY OF A LEFT ATRIAL POSTERIOR WALL ISOLATION USING RADIOFREQUENCY VERSUS CRYOBALLOON CATHETERS**

Satoshi Sakai, Akihiro Takitsume, Tomohito Inoue, Yu Masutani, Kazuma Matsubayashi, Takuya Isojima, Tsunenari Soeda, Hiroyuki Kawata  
*Nara Prefecture General Medical Center, Japan*

**O13-3 PREDICTOR OF ACUTE GASTRIC DILATION AFTER LEFT ATRIAL ROOF ABLATION WITH NOVEL CRYOBALLOON**

Atsuhito Oda<sup>1</sup>, Ippei Saito<sup>1</sup>, Hirofumi Arai<sup>1</sup>, Kazuya Murata<sup>1</sup>, Yuichiro Sagawa<sup>1</sup>, Yasuteru Yamauchi<sup>1</sup>  
<sup>1</sup>*Yokohama City Minato Red Cross Hospital, Japan*

**O13-4 INCIDENCE OF PULMONARY VEIN STENOSIS BETWEEN TWO TYPES OF CRYOBALLOON SYSTEMS**

Satoko Shiomi<sup>1</sup>, Michifumi Tokuda<sup>2</sup>, Ryutarō Sakurai<sup>2</sup>, Takuya Matsumoto<sup>3</sup>, Hidenori Sato<sup>2</sup>, Hirotsuna Oseto<sup>1</sup>, Masaaki Yokoyama<sup>1</sup>, Kenichi Tokutake<sup>1</sup>, Mika Kato<sup>1</sup>, Ryohsuke Narui<sup>3</sup>, Shinichi Tanigawa<sup>2</sup>, Seigo Yamashita<sup>1</sup>, Michihiro Yoshimura<sup>1</sup>, Teiichi Yamane<sup>1</sup>  
<sup>1</sup>*The Jikei University School of Medicine, Japan*, <sup>2</sup>*The Jikei University Katsushika Medical Center, Japan*, <sup>3</sup>*The Jikei University Kashiwa Hospital, Japan*

**O13-5 ACUTE MYOCARDIAL INJURY AFTER PolarX CRYOBALLOON ABLATION FOR PAROXYSMAL ATRIAL FIBRILLATION**

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

## Case Report 1

15 : 10 ~ 16 : 10

Chair Hiroto Takeda (*Sakuma Family Clinic, Japan*)Yoshifumi Okano (*Tokyo Metropolitan Ohkubo Hospital, Japan*)

- C1-1 BIPOLAR BLINDNESS AS A CAUSE OF UNRECORDABLE P1 POTENTIALS IN THE IDIOPATHIC LEFT VENTRICULAR TACHYCARDIA**  
Shinichi Harada, Masato Okada, Koji Tanaka, Yuko Hirao, Naoko Miyazaki, Kohei Iwasa, Nobuaki Tanaka  
*Sakurabashi Watanabe Hospital, Japan*
- C1-2 A CASE OF PREMATURE VENTRICULAR CONTRACTION ORIGINATING AT TERMINAL END OF THE RETRO AORTIC ROOT BRANCH**  
Masataka Sunagawa, Rintaro Hojo, Seiya Komine, Taku Kanzaki, Wataru Tsuno, Yoshiaki Mizunuma, Takafumi Sasaki, Koichiro Yamaoka, Hirofumi Kujiraoka, Tomoyuki Arai, Dai Inagaki, Kiyotaka Yoshida, Takashi Kimura, Masao Takahashi, Takaaki Tsuchiyama, Seiji Fukamizu  
*Tokyo Metropolitan Hiroo Hospital, Japan*
- C1-3 UNUSUAL QRS TRANSITIONS AND TACHYCARDIA RESETTING EVOKED BY VENTRICULAR OVERDRIVE PACING: A CASE OF ATYPICAL AVNRT WITH AN INTERCONNECTION BETWEEN A FASCICULOVENTRICULAR AND SLOW PATHWAY**  
Taihei Itoh, Kimitaka Nishizaki, Shogo Hamaura, Yuichi Toyama, Takahiko Kinjo, Yuji Ishida, Masaomi Kimura, Shingo Sasaki, Hirofumi Tomita  
*Hirosaki University Graduate School of Medicine, Japan*
- C1-4 A CASE WITH SEVERE PECTUS EXCAVATUM WHO DEVELOPED HEART FAILURE AFTER CATHETER ABLATION FOR ATRIAL ARRHYTHMIAS**  
Rei Hidaka<sup>1</sup>, Noriko Nonoguchi<sup>2</sup>, Masaharu Maegaki<sup>3</sup>, Hirotosugu Ikewaki<sup>2</sup>, Takato Mohri<sup>2</sup>, Yumi Katsume<sup>2</sup>, Ryota Isogai<sup>2</sup>, Mika Tashiro<sup>2</sup>, Kyoko Hoshida<sup>2</sup>, Kaneto Mimata<sup>3</sup>, Ikuko Togashi<sup>2</sup>, Akiko Ueda<sup>2</sup>, Seiichiro Matsuo<sup>2</sup>, Toshiaki Sato<sup>2</sup>, Kyoko Soejima<sup>2</sup>  
<sup>1</sup>*Kyorin University Hospital, Japan*, <sup>2</sup>*Kyorin University, Japan*, <sup>3</sup>*Ayase Heart Hospital, Japan*
- C1-5 DELINEATION OF THE CIRCUIT VARIANCES OF INTRA-ISTHMUS REENTRY USING ULTRA-HIGH RESOLUTION MAPPING SYSTEM**  
Takayuki Sekihara, Takafumi Oka, Kentaro Ozu, Yasushi Sakata  
*Osaka University Graduate School of Medicine, Japan*

## Case Report 2

16 : 20 ~ 17 : 20

Chair Atsushi Iwasa (*New Tokyo Hospital, Japan*)Kazuaki Kaitani (*Otsu Red Cross Hospital, Japan*)

- C2-1 EMERGENT CATHETER ABLATION FOR VENTRICULAR TACHYCARDIA STORM ORIGINATING FROM POSTERIOR PAPILLARY MUSCLE IN A PATIENT WITH DILATED CARDIOMYOPATHY**  
Eiichiro Oka<sup>1</sup>, Yu-ki Iwasaki<sup>2</sup>, Kosei Tanaka<sup>1</sup>, Shuhei Okajima<sup>1</sup>, Keiichiro Otsubo<sup>1</sup>, Shin Sakai<sup>1</sup>, Isamu Fukuizumi<sup>1</sup>, Toshinori Ko<sup>1</sup>, Yusuke Hosokawa<sup>1</sup>, Mitsunori Maruyama<sup>1</sup>, Wataru Shimizu<sup>2</sup>, Kuniya Asai<sup>2</sup>  
<sup>1</sup>*Nippon Medical School Musashikosugi Hospital, Japan*, <sup>2</sup>*Nippon Medical School Hospital, Japan*
- C2-2 A CASE OF SUCCESSFUL ELIMINATION OF VENTRICULAR TACHYCARDIA ARISING FROM THE LEFT VENTRICULAR SUMMIT BY CHEMICAL ABLATION**  
Yosuke Mizuno, Daiki Kumazawa, Manabu Maeda, Kosuke Onodera, Takehiro Nomura, Kennosuke Yamashita  
*Sendai Kosei Hospital, Japan*



- C2-3 CORONARY VENOUS ETHANOL ABLATION IN THE LEFT VENTRICULAR SUMMIT REGION: A CASE REPORT WITH REAL-TIME ASSESSMENT OF ELECTROCARDIOGRAM CHANGE DURING ETHANOL INFUSION**  
Hidehiro Iwakawa, Yusuke Takagi, Ryosuke Kato, Haruo Tashiro, Ken Terata, Hiroyuki Watanabe  
*Akita University Graduate School of Medicine, Japan*
- C2-4 NIFEKALANT CONVERTED VENTRICULAR FIBRILLATION STORM TO PLEOMORPHIC VENTRICULAR TACHYCARDIA AMENABLE TO CATHETER ABLATION IN A PATIENT WITH ISCHEMIC CARDIOMYOPATHY**  
Masahiro Toba, Riho Suzuki, Kyoko Asakawa, Naoya Asakawa, Daisuke Murai, Sanae Hamaguchi, Takao Makino, Hisashi Yokoshiki  
*Sapporo City General Hospital, Japan*
- C2-5 A CASE OF VENTRICULAR TACHYCARDIA WITH AN INTRAMURAL EXCITABLE SUBSTRATE DETECTED BY EVALUATING THE CLOSE AND THE WIDE BIPOLAR ELECTROGRAMS OF A LINEAR DECAPOLAR CATHETER**  
Soichiro Terao, Takashi Kanda, Hitoshi Minamiguchi, Satoshi Osaki, Kazuki Ozato, Koichi Ochi, Takuya Tominaga, Satoshi Nakawatase, Mikiko Matsumura, Shun Sasaki, Hiromi Tsutsui, Motoki Yasunaga, Yuma Hamanaka, Mikio Shiba, Naoki Mori, Yasuhiro Ichibori, Takaharu Hayashi, Nobuhiko Makino, Atsushi Hirayama, Yoshiharu Higuchi  
*Osaka Police Hospital, Japan*

## 第11会場 (2階 201+202)

## Oral Presentation 14

## Device CSP

8 : 30 ~ 9 : 30

Chair Tsuyoshi Sakai (*Saiseikai Yokohamashi Tobu Hospital, Japan*)  
Shinya Kowase (*Yokohama Rosai Hospital, Japan*)

- O14-1 RANDOMIZED TRIAL COMPARING ELECTROPHYSIOLOGICALLY GUIDED AND ANATOMICALLY GUIDED APPROACHES FOR SUCCESSFUL LEFT BUNDLE BRANCH PACING**  
Takuo Tsurugi, Ken Okumura, Fumitaka Onishi, Kodai Negishi, Akino Yoshimura, Hideharu Okamatsu, Yasuaki Tanaka, Junjiroh Koyama  
*Saiseikai Kumamoto Hospital, Japan*
- O14-2 BILATERAL BUNDLE BRANCH AREA PACING DURING LEFT BUNDLE BRANCH PACING**  
Yasumasa Nono, Ryosuke Koze  
*Saku Central Hospital Advanced Care Center, Japan*
- O14-3 IMPACT OF PACED LEFT BUNDLE BRANCH PACING MORPHOLOGY WITH ANATOMIC LOCATION ON ELECTRICAL AND MECHANICAL DYSSYNCHRONY**  
Yuichiro Tomida<sup>1</sup>, Keisuke Miyajima<sup>1</sup>, Tsuyoshi Urushida<sup>2</sup>, Sakito Masuda<sup>1</sup>, Ayako Okazaki<sup>1</sup>, Yasuyo Takashima<sup>1</sup>, Yoshitaka Kawaguchi<sup>1</sup>, Yasushi Wakabayashi<sup>1</sup>, Yuichiro Maekawa<sup>2</sup>  
<sup>1</sup>*Seirei Mikatahara General Hospital, Japan, <sup>2</sup>Hamamatsu University, Japan*
- O14-4 RIGHT VENTRICULAR SEPTAL PACING USING DELIVERY CATHETER SYSTEM CARRIES MORE PHYSIOLOGICAL DEPOLARIZATION AND REPOLARIZATION THAN USING STYLET SYSTEM: SUBANALYSIS OF THE Mt. FUJI TRIAL**  
Hideyuki Hasebe<sup>1</sup>, Yoshihisa Naruse<sup>2</sup>, Nobutake Kurebayashi<sup>3</sup>, Naoki Tsurumi<sup>3</sup>, Tomoyuki Shiozawa<sup>4</sup>, Shintaro Takano<sup>4</sup>, Michio Ogano<sup>5</sup>, Kei Kimura<sup>5</sup>, Keisuke Miyajima<sup>6</sup>, Ryo Sugiura<sup>7</sup>, Ryuta Hemmi<sup>7</sup>, Masahiro Muto<sup>8</sup>, Natsuko Hosoya<sup>8</sup>, Akira Mizukami<sup>9</sup>, Keisuke Iguchi<sup>2</sup>, Akiko Astumi<sup>10</sup>, Yuichiro Maekawa<sup>2</sup>  
<sup>1</sup>*Shizuoka Saiseikai General Hospital, Japan, <sup>2</sup>Hamamatsu University, Japan, <sup>3</sup>Chutoen General Medical Center, Japan, <sup>4</sup>Juntendo University Shizuoka Hospital, Japan, <sup>5</sup>Shizuoka Medical Center, Japan, <sup>6</sup>Seirei Mikatahara General Hospital, Japan, <sup>7</sup>Seirei Hamamatsu General Hospital, Japan, <sup>8</sup>Hamamatsu Medical Center, Japan, <sup>9</sup>Kameda Medical Center, Japan, <sup>10</sup>Shintoshin Hospital, Japan*
- O14-5 MID-TERM OBSERVATIONAL STUDY ON THE FEASIBILITY OF LEFT BUNDLE BRANCH AREA PACING: A SINGLE-CENTER EXPERIENCE**  
Akino Yoshimura, Takuo Tsurugi, Fumitaka Onishi, Kodai Negishi, Hideharu Okamatsu, Yasuaki Tanaka, Junjiroh Koyama, Ken Okumura  
*Saiseikai Kumamoto Hospital, Japan*

## Oral Presentation 15

## Device CRT

9 : 40 ~ 10 : 50

Chair Mitsuharu Kawamura (*Makita General Hospital, Japan*)  
Takashi Yamada (*Takaishi-Fujii Cardiovascular Hospital, Japan*)

- O15-1 ECHOCARDIOGRAPHIC RESPONSE AND CHANGES OF PACED QRS-DURATION IN PATIENTS IMPLANTED LEFT BUNDLE BRANCH PACING OPTIMIZED CARDIAC RESYNCHRONIZATION THERAPY AND CONVENTIONAL BIVENTRICULAR PACING IN HEART FAILURE**  
Kiichi Miyamae, Hajime Imai, Yasuhiro Ogawa, Naoaki Kano, Yosuke Murase, Keita Mamiya, Tomoyo Ikeda, Shinji Yamazoe, Jun Torii, Kazuyuki Yamanaka, Toshimasa Kato, Kenta Kawaguchi, Mio Yamaguchi, Katsuhiko Kawaguchi  
*Komaki City Hospital, Japan*

- O15-2 FACTORS ASSOCIATED WITH RESPONDER OF CARDIAC RESYNCHRONIZATION THERAPY IN HFrEF PATIENTS WITH NON-LEFT BUNDLE BRANCH BLOCK TYPE ECG**  
 Yuji Motoike, Masahide Harada, Tomoya Ishiguro, Asuka Nishimura, Yoshihiro Nomura, Masayuki Koshikawa, Hideo Izawa  
*Fujita Health University, Japan*
- O15-3 PREDICTORS OF CARDIAC RESYNCHRONIZATION THERAPY IN PATIENTS WITH NON-LEFT BUNDLE BRANCH BLOCK WITH QRS DURATION <150 ms**  
 Yukiko Takanashi<sup>1</sup>, Yusuke Kondo<sup>1</sup>, Yuya Komai<sup>1</sup>, Yutaka Yoshino<sup>1</sup>, Satoko Ryuzaki<sup>1</sup>, Masafumi Sugawara<sup>1</sup>, Toshinori Chiba<sup>1</sup>, Mari Kitagawa<sup>1</sup>, Ryo Ito<sup>1</sup>, Miyo Nakano<sup>1</sup>, Takatsugu Kajiyama<sup>1</sup>, Masahiro Nakano<sup>1</sup>, Takashi Uchiyama<sup>2</sup>, Yoshio Kobayashi<sup>1</sup>  
<sup>1</sup>Chiba University Graduate School of Medicine, Japan, <sup>2</sup>Funabashi Municipal Medical Center, Japan
- O15-4 PREDICTION OF THE VELOCITY TIME INTEGRAL USING THE AREA OF THE QRS WAVE IN PATIENTS WITH CARDIAC RESYNCHRONIZATION THERAPY**  
 Yusuke Sasa<sup>1</sup>, Satoshi Hayashida<sup>1</sup>, Motohiro Arai<sup>1</sup>, Yoshikuni Shoji<sup>1</sup>, Shonosuke Sugai<sup>1</sup>, Tomoyuki Morikawa<sup>1</sup>, Kazuki Iso<sup>1</sup>, Tadashi Ashida<sup>1</sup>, Wataru Atsumi<sup>1</sup>, Eizo Tachibana<sup>1</sup>, Satoshi Kunimoto<sup>1</sup>, Toshiko Nakai<sup>2</sup>, Yasuo Okumura<sup>2</sup>  
<sup>1</sup>Kawaguchi Municipal Medical Center, Japan, <sup>2</sup>Nihon University Itabashi Hospital, Japan
- O15-5 USEFULNESS OF ELECTRODE CATHETER FOR DETERMINING THE PACING SITE IN PATIENTS UNDERGOING CARDIAC RESYNCHRONIZATION THERAPY**  
 Ryosuke Tani, Takahisa Noma, Tomoko Inoue, Yu Ishihara, Keiji Matsunaga, Makoto Ishizawa, Minako Ohara, Kaori Ishikawa, Tetsuo Minamino  
*Kagawa University Hospital, Japan*
- O15-6 IMPACT OF Q WAVE IN SYNTHESIZED V7-9 LEAD ON LONG-TERM OUTCOMES AFTER CARDIAC RESYNCHRONIZATION THERAPY**  
 Yusuke Ugata, Tatsuya Hayashi, Jumpei Ohashi, Shingo Yamamoto, Hideo Fujita  
*Jichi Medical University Saitama Medical Center, Japan*

## Oral Presentation 16

### Device Pacemaker

11 : 00 ~ 12 : 10

Chair Chikashi Suga (*Suga Clinic, Japan*)  
 Yasushi Oginosawa (*University of Occupational and Environmental Health, Japan*)

- O16-1 PROGNOSTIC VALUE OF MACHINE LEARNING ON 12-LEADS ECG IN PATIENTS WITH VENTRICULAR PACING AFTER PACEMAKER IMPLANTATION**  
 Ami Isshiki, Masato Shimizu, Takahiro Tsunoda, Yoshiki Misu, Ryo Tateishi, Masao Yamaguchi, Nobutaka Kato, Hiroshi Shimada, Hiroyuki Fujii, Makoto Suzuki  
*Yokohama Minami Kyosai Hospital, Japan*
- O16-2 CLINICAL OUTCOMES IN PATIENTS WITH A NEWLY IMPLANTED PACEMAKER OVER 90 YEARS OLD**  
 Junya Hosoda<sup>1</sup>, Toshiyuki Ishikawa<sup>1</sup>, Kengo Tsukahara<sup>2</sup>, Takayuki Mitsuhashi<sup>2</sup>, Mitsuho Inoue<sup>2</sup>, Makoto Shimizu<sup>3</sup>, Tomoyori Nakatogawa<sup>4</sup>, Kenichiro Saka<sup>5</sup>, Kazuki Fukui<sup>6</sup>, Kohei Iguchi<sup>6</sup>, Yuka Taguchi<sup>1</sup>, Masatoshi Narikawa<sup>1</sup>, Yoshinori Okazaki<sup>1</sup>, Shuichi Miyagawa<sup>1</sup>, Akira Horigome<sup>1</sup>, Kiyoshi Hibi<sup>1</sup>  
<sup>1</sup>Yokohama City University Hospital, Japan, <sup>2</sup>Fujisawa City Hospital, Japan, <sup>3</sup>International Goodwill Hospital, Japan, <sup>4</sup>Chigasaki Municipal Hospital, Japan, <sup>5</sup>Yokosuka City Hospital, Japan, <sup>6</sup>Kanagawa Cardiovascular and Respiratory Center, Japan

- O16-3 LOW PHYSICAL ACTIVITY LEADS TO MORE DECREASE OF THE PHYSICAL ACTIVITY IN PATIENTS WITH PACEMAKERS DURING CURRENT SITUATION WITH COVID-19**  
Satoru Miyanaga<sup>1</sup>, Ryuji Funaki<sup>1</sup>, Yuto Mashitani<sup>1</sup>, Mitsuyoshi Mita<sup>1</sup>, Takuya O<sup>1</sup>, Yosuke Kayama<sup>1</sup>, Chikara Mori<sup>1</sup>, Takahiro Shibata<sup>1</sup>, Hidenori Sato<sup>2</sup>, Hirotsuna Oseto<sup>2</sup>, Masaaki Yokoyama<sup>2</sup>, Kenichi Tokutake<sup>2</sup>, Ryohsuke Narui<sup>2</sup>, Mika Kato<sup>2</sup>, Shinichi Tanigawa<sup>2</sup>, Seigo Yamashita<sup>2</sup>, Michifumi Tokuda<sup>2</sup>, Teiichi Yamane<sup>2</sup>, Michihiro Yoshimura<sup>2</sup>  
<sup>1</sup>The Jikei University Daisan Hospital, Japan, <sup>2</sup>The Jikei University School of Medicine, Japan
- O16-4 CT-GUIDED PACEMAKER IMPLANTATION TO REDUCE PERIPROCEDURAL COMPLICATIONS**  
Akihisa Kimura, Tatsuya Shigematsu, Motomi Tachibana, Akihiro Hayashida, Kimikazu Bamba  
Sakakibara Heart Institute of Okayama, Japan
- O16-5 EVALUATION OF DURABILITY OF EPICARDIAL PACEMAKER LEADS IN PEDIATRIC PATIENTS AND HELPFULNESS OF REMOTE PATIENT MONITORING**  
Yo Kajiyama, Yoshinobu Maeda, Shinichiro Oda, Yoko Kawai, Kazuyuki Ikeda, Toshiyuki Itoi  
Kyoto Prefectural University of Medicine, Japan

メディカルプロフェSSIONナル口述演題5  
アブレーション2

14:00 ~ 15:00

座長 竹中 創 (イムス葛飾ハートセンター循環器内科)  
前川 正樹 (おもと会大浜第一病院診療技術部臨床工学科)

- MPO5-1 カテーテルアブレーションにおけるパークローズ®止血部の下肢静脈エコーによる器質的変化の検討**  
石田 誠司<sup>1</sup>, 中村 真理子<sup>1</sup>, 鈴木 なおみ<sup>1</sup>, 三田 寛子<sup>2</sup>, 横山 恵理子<sup>3</sup>, 東 祐圭<sup>3</sup>  
<sup>1</sup>岡村記念病院検査科, <sup>2</sup>岡村記念病院看護部, <sup>3</sup>岡村記念病院不整脈センター
- MPO5-2 EnSite XにおけるTacti Flex™を使用した7点Fusion法の検討**  
祝迫 周平<sup>1,2</sup>, 草山 隆志<sup>3</sup>, 中社 惇美<sup>1</sup>, 山本 拓<sup>1</sup>, 山本 唯香<sup>1</sup>, 三井 彩<sup>1</sup>, 岡 俊人<sup>1</sup>, 長森 勇多<sup>3</sup>, 中川 陽一郎<sup>3</sup>, 津田 豊暢<sup>3</sup>, 林 研至<sup>2,3</sup>, 高村 雅之<sup>3</sup>, 加藤 武史<sup>3</sup>  
<sup>1</sup>金沢大学附属病院ME機器管理センター, <sup>2</sup>金沢大学大学院医薬保健学総合研究科保健学専攻, <sup>3</sup>金沢大学附属病院循環器内科
- MPO5-3 MAP作成におけるIntracardiac Pattern Matching(ICPM)設定の検討**  
大塩 拓也<sup>1</sup>, 伊藤 弥生<sup>1</sup>, 大谷木 賀美<sup>1</sup>, 角野 健太<sup>1</sup>, 高橋 健太<sup>2</sup>, 榎田 俊生<sup>2</sup>, 桑原 大志<sup>2</sup>  
<sup>1</sup>東京ハートリズムクリニック臨床工学科, <sup>2</sup>東京ハートリズムクリニック循環器内科
- MPO5-4 心外膜mappingにおけるBipolar とOmnipolar の脂肪ノイズ比較**  
権守 信哉<sup>1</sup>, 濱崎 誠之<sup>1</sup>, 大久保 健史<sup>2</sup>  
<sup>1</sup>横須賀共済病院臨床工学科, <sup>2</sup>横須賀共済病院循環器内科
- MPO5-5 高周波ジェネレータの測定周波数が焼灼中の心内抵抗値に与える影響度**  
角野 健太<sup>1</sup>, 伊藤 弥生<sup>1</sup>, 大谷木 賀美<sup>1</sup>, 大塩 拓也<sup>1</sup>, 榎田 俊生<sup>2</sup>, 高橋 健太<sup>2</sup>, 桑原 大志<sup>2</sup>  
<sup>1</sup>東京ハートリズムクリニック臨床工学科, <sup>2</sup>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 6 アブレーション 3

15:10～16:10

座長 神谷 典男 (聖隷浜松病院)  
進藤 勇人 (平鹿総合病院)

### MPO6-1 転移性心臓腫瘍が関連した持続性心室頻拍の1例

三浦 健太郎, 坂元 雄介, 石井 渉, 森谷 忠生, 縮 恭一, 徳永 千穂, 山本 純偉  
筑波大学附属病院臨床工学部

### MPO6-2 Cu0.9mm付加フィルタを使用した放射線量低減プロトコルの検討

榎永 大二郎<sup>1</sup>, 山内 達也<sup>1</sup>, 川人 充知<sup>2</sup>  
<sup>1</sup>静岡市立静岡病院医療支援部放射線技術科, <sup>2</sup>静岡市立静岡病院循環器内科

### MPO6-3 アブレーションカテテル波形にノイズが確認された場合における高頻度ペーシングによるノイズ軽減への有用性について

大吉 真由実<sup>1</sup>, 山路 祐生<sup>1</sup>, 山下 宗一郎<sup>2</sup>, 延澤 佳菜<sup>1</sup>, 中尾 祐基<sup>1</sup>, 島津 将平<sup>1</sup>, 禾本 拓也<sup>1</sup>, 近藤 力也<sup>1</sup>, 橋本 圭司<sup>1</sup>  
<sup>1</sup>兵庫県立淡路医療センター臨床工学室, <sup>2</sup>兵庫県立淡路医療センター循環器内科

### MPO6-4 導電性ゲルを用いたアブレーションカテテルによる焼灼病変層モデルの比較・検討

根津 知行, 矢崎 義直, 千葉 晶奈, 寺澤 無量, 楠目 宝大, 大西 将史, 岡野 智也, 里見 和浩  
東京医科大学病院不整脈センター

### MPO6-5 両心房マッピングによる心房粗動鋸歯状波の成因と肺静脈拡大隔離術による鋸歯状波の変化の検討

中島 基裕<sup>1</sup>, 長内 宏之<sup>2</sup>, 大口 志央<sup>2</sup>, 坂本 裕資<sup>2</sup>, 春田 良雄<sup>1</sup>, 樋口 知之<sup>1</sup>, 谷口 翔太<sup>1</sup>, 古越 大喬<sup>1</sup>, 古越 恵理<sup>1</sup>, 鈴木 裕也<sup>1</sup>  
<sup>1</sup>公立陶生病院臨床工学部, <sup>2</sup>公立陶生病院循環器内科

## メディカルプロフェッショナル口述演題 7 デバイス 2

16:20～17:30

座長 鈴木 健一 (日本医科大学付属病院ME部)  
植田 隆介 (近畿大学奈良病院)

### MPO7-1 心房細動カテテルアブレーションが心臓植込み型デバイス患者のペーシング率に与える影響

玉利 勇賢<sup>1</sup>, 高野 明日香<sup>1</sup>, 青野 賢大<sup>1</sup>, 黒田 さやか<sup>1</sup>, 木村 敦志<sup>1</sup>, 丸山 和紀<sup>1</sup>, 國本 充洋<sup>2</sup>, 田淵 晴名<sup>2</sup>, 住吉 正孝<sup>2</sup>, 磯田 菊生<sup>2</sup>  
<sup>1</sup>順天堂大学医学部附属練馬病院臨床工学室, <sup>2</sup>順天堂大学医学部附属練馬病院循環器内科

### MPO7-2 Closed-Loop Stimulation機能のHeart Rate Scoreに及ぼす影響

加茂 嗣典<sup>1</sup>, 佐野 誠<sup>3</sup>, 中村 元春<sup>1</sup>, 瀧山 弘也<sup>1</sup>, 加茂 裕美<sup>1</sup>, 水口 智明<sup>1</sup>, 金子 裕太郎<sup>3</sup>, 成味 太郎<sup>3</sup>, 成瀬 代士久<sup>3</sup>, 中島 芳樹<sup>1,2</sup>, 前川 裕一郎<sup>3</sup>  
<sup>1</sup>浜松医科大学医学部附属病院医療機器管理部, <sup>2</sup>浜松医科大学医学部附属病院麻酔科蘇生科, <sup>3</sup>浜松医科大学医学部附属病院循環器内科

### MPO7-3 Heart Rate Scoreを指標とした心房ペーシング率カットオフ値に関する検討

菊池 唯都<sup>1</sup>, 高野 明日香<sup>1</sup>, 玉利 勇賢<sup>1</sup>, 青野 賢大<sup>1</sup>, 黒田 さやか<sup>1</sup>, 木村 敦志<sup>1</sup>, 丸山 和紀<sup>1</sup>, 國本 充洋<sup>2</sup>, 田淵 晴名<sup>2</sup>, 住吉 正孝<sup>2</sup>, 磯田 菊生<sup>2</sup>  
<sup>1</sup>順天堂大学医学部附属練馬病院臨床工学室, <sup>2</sup>順天堂大学医学部附属練馬病院循環器内科

**MPO7-4 開胸手術時に電気メスを使用し、IPGの電源過電圧検出器の無アクティブ化を生じた症例**

富田 雅之, 佐生 喬, 津曲 佑馬, 高濱 航, 小柳津 翔太, 山田 昌子  
三重大学医学部附属病院臨床工学部

**MPO7-5 睡眠時無呼吸症候群(SAS)と歯周炎の関係が心房不整脈(AHRE)に及ぼす影響**

真鍋 徹也<sup>1</sup>, 吉峯 玄太<sup>1</sup>, 寺坂 和久<sup>1</sup>, 佐々木 拓也<sup>3</sup>, 佐々木 洋平<sup>3</sup>, 高畠 由隆<sup>3</sup>, 豊田 文俊<sup>3</sup>, 山岸 真由美<sup>2</sup>  
<sup>1</sup>千鳥橋病院臨床工学科, <sup>2</sup>千鳥橋病院歯科・クオリティマネジメントセンター, <sup>3</sup>千鳥橋病院循環器内科

**MPO7-6 Micra AVのフォローアップにおける退院前手動設定調整の1ヵ月後調整への効果**

石田 信一郎<sup>1</sup>, 小林 あさ美<sup>1</sup>, 池田 龍哉<sup>1</sup>, 村岡 希俊<sup>1</sup>, 松崎 範之<sup>1</sup>, 石田 順也<sup>1</sup>, 三浦 史晴<sup>2</sup>, 廣延 直也<sup>2</sup>,  
上田 浩徳<sup>2</sup>  
<sup>1</sup>県立広島病院臨床工学科, <sup>2</sup>県立広島病院循環器内科

## 第4会場 (1階 107)

## Case Report 3

8 : 30 ~ 9 : 30

Chair Kenji Enta (*Hokuto Hospital, Japan*)  
Yoshifumi Ikeda (*Saitama Medical University International Medical Hospital, Japan*)

- C3-1 10 YEARS EFFICACY OF BILATERAL THORACOSCOPIC SYMPATHECTOMY IN A PATIENT WITH DRUG REFRACTORY CATECHOLAMINERGIC POLYMORPHIC VENTRICULAR TACHYCARDIA**  
Katsunori Okajima, Tomoyuki Nakanishi, Yuichi Nagamastu, Mari Yamamoto, Yoshio Onishi  
*Kakogawa Central City Hospital, Japan*
- C3-2 A 2-YEAR-OLD GIRL WITH LONG QT SYNDROME (CALM1 GENE MUTATION) WHO TRACKED CHANGES IN QT TIME DUE TO MEDICATION**  
Shuichiro Yoshida, Kazuki Matsumoto, Kentaro Suzuki, Ishin Shu, Jun Sato, Kimihiro Yoshi, Hiroshi Nishikawa, Naoki Ohashi  
*JCHO Chukyo Hospital, Japan*
- C3-3 A CASE OF REPEATED DELAYED SEVERE PERICARDIAL EFFUSION AFTER LEADLESS PACEMAKER IMPLANTATION FOR ADVANCED ATRIOVENTRICULAR BLOCK AFTER TRANSCATHETER AORTIC VALVE IMPLANTATION**  
Fumiya Yoneda, Satoshi Shizuta, Misaki Naka, Tomoyuki Inoue, Akifumi Morinaga, Munekazu Tanaka, Shushi Nishiwaki, Hirohiko Kohjitani, Ko Ono  
*Kyoto University Hospital, Japan*
- C3-4 CARDIAC PACING WAS EFFECTIVE FOR THE TREATMENT OF ATRIOVENTRICULAR BLOCK DURING DEFECATION**  
Asami Kashiwa, Yukio Hosaka, Norihito Oyanagi, Ken Watanabe, Ryohei Sakai, Komei Tanaka, Kazuyuki Ozaki, Keiichi Tsuchida, Kazuyoshi Takahashi  
*Niigata City General Hospital, Japan*
- C3-5 DEATH AT HOME AND REMOTE MONITORING**  
Ryusuke Akiba<sup>1</sup>, Noriko Nonoguchi<sup>1</sup>, Akiko Maeda<sup>1</sup>, Hirotsugu Ikewaki<sup>1</sup>, Takato Mohri<sup>1</sup>, Yumi Katsume<sup>1</sup>, Ryota Isogai<sup>1</sup>, Mika Tashiro<sup>1</sup>, Kyoko Hoshida<sup>1</sup>, Yo Hagiwara<sup>2</sup>, Ikuko Togashi<sup>1</sup>, Akiko Ueda<sup>1</sup>, Seiichiro Matsuo<sup>1</sup>, Toshiaki Sato<sup>1</sup>, Kyoko Soejima<sup>1</sup>  
<sup>1</sup>*Kyorin University, Japan*, <sup>2</sup>*Kyorin University Hospital, Japan*

Oral Presentation 17

心筋症 ABL

13 : 40 ~ 14 : 40

Chair Yoshihisa Abe (*Akita City Hospital, Japan*)  
Tsukasa Kamakura (*National Cerebral and Cardiovascular Center, Japan*)

- O17-1 GENDER-RELATED DIFFERENCES IN NON-PULMONARY VEIN FOCI IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**  
**Kentaro Nakata**, Masayo Minegishi, Gaku Narita, Toshiki Michishita, Yuhei Isonaga, Shunichi Kato, Toshikazu Kono, Hiroaki Ohya, Yasuaki Hada, Miki Kano, Takamitsu Takagi, Ken Negi, Akira Sato, Tsunehiro Yamato, Osamu Inaba, Yutaka Matsumura  
*Saitama Red Cross Hospital, Japan*
- O17-2 COMPARISON OF RESULTS OF CRYOBALLOON ABLATION ALONE FOR ATRIAL FIBRILLATION ASSOCIATED WITH HCM AND NON-HCM PATIENTS**  
**Hiroshi Fukunaga**, Yosuke Hayashi, So Asano, Yukio Sekiguchi, Junichi Nitta  
*Sakakibara Heart Institute, Japan*
- O17-3 CATHETER ABLATION OF ATRIAL ARRHYTHMIA IN PATIENTS WITH CARDIAC AMYLOIDOSIS**  
**Takuya Nishimura**, Naoki Arima, Yuri Ochi, Satoko Kitamura, Takayoshi Hirota, Hiroaki Kitaoka  
*Kochi Medical School, Japan*
- O17-4 EFFICACY OF CATHETER ABLATION FOR PATIENTS WITH ATRIAL FIBRILLATION AND ATRIAL SEPTAL DEFECT- COMPARISON WITH PATIENTS WITHOUT UNDERLYING CARDIAC DISEASE**  
**Chisa Asahina**, Tsukasa Kamakura, Reina Tonegawa, Yuichiro Miyazaki, Akinori Wakamiya, Keiko Shimamoto, Nobuhiko Ueda, Kenzaburo Nakajima, Mitsuru Wada, Kohei Ishibashi, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takeshi Aiba, Ryotaro Asano, Takeshi Ogo, Kenji Moriuchi, Masashi Amano, Chisato Izumi, Kengo Kusano  
*National Cerebral and Cardiovascular Center, Japan*
- O17-5 CLINICAL IMPACT OF CATHETER ABLATION IN PATIENTS WITH PULMONARY HYPERTENSION**  
**Yoshitake Fukuda**, Atsuyuki Watanabe, Misaki Kanezawa, Kazuki Suruga, Kazuna Hayashi, Soichiro Kobashi, Fumi Yokohama, Masataka Shigetoshi, Isao Tabuchi, Hiroto Shimokawahara, Hiromi Matsubara  
*NHO Okayama Medical Center, Japan*



第5会場 (1階 108)

Oral Presentation 18  
VT ABL

8 : 30 ~ 9 : 30

Chair Kenji Okubo (*Yokosuka Kyosai Hospital, Japan*)  
Akiko Ueda (*Kyorin University, Japan*)

- O18-1 EVALUATION OF MAPPING AND MECHANICAL SUPPORT IN CATHETER ABLATION FOR VENTRICULAR TACHYCARDIA**  
Ayako Okada  
*Shinshu University Hospital, Japan*
- O18-2 THE IMPORTANCE OF THE CUTOFF OF NORMAL BIPOLAR VOLTAGE AND THE RIGHT VENTRICULAR INSERTION AREA IN THE FUNCTIONAL SUBSTRATE MAPPING OF POST-INFARCT VENTRICULAR TACHYCARDIA**  
Tomomasa Takamiya<sup>1,2</sup>, Robert Rademaker<sup>1</sup>, Marta De Riva<sup>1</sup>, Yoshitaka Kimura<sup>1</sup>, Katja Zeppenfeld<sup>1</sup>  
<sup>1</sup>*Leiden University Medical Center, The Netherlands*, <sup>2</sup>*Tokyo Medical and Dental University, Japan*
- O18-3 ARRHYTHMOGENIC SUBSTRATES FOR VENTRICULAR TACHYCARDIA NEEDING SURGICAL APPROACH IN PATIENTS WITH NON-ISCHEMIC CARDIOMYOPATHY**  
Hiroshige Murata, Yu-ki Iwasaki, Takashi Nitta, Yosuke Ishii, Masato Hachisuka, Yuhi Fujimoto, Hiroshi Hayashi, Teppei Yamamoto, Kenji Yodogawa, Mitsunori Maruyama, Yasushi Miyauchi, Wataru Shimizu, Kuniya Asai  
*Nippon Medical School, Japan*
- O18-4 PERCUTANEOUS EPICARDIAL VENTRICULAR TACHYCARDIA ABLATION AFTER OPEN CHEST SURGERY**  
Maiko Kuroda  
*Kokura Memorial Hospital, Japan*
- O18-5 IMPACT ON PROCEDURAL ENDPOINT OF VENTRICULAR TACHYCARDIA NON-INDUCIBILITY AND TIMING OF CATHETER ABLATION FOR THE PATIENTS WITH AN ELECTRICAL STORM**  
Shota Kawabata, Kenzaburo Nakajima, Satoshi Oka, Yuichiro Miyazaki, Akinori Wakamiya, Keiko Shimamoto, Nobuhiko Ueda, Tsukasa Kamakura, Mitsuru Wada, Kohei Ishibashi, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takeshi Aiba, Kengo Kusano  
*National Cerebral and Cardiovascular Center, Japan*

## 第6会場 (1階 104+105)

## Oral Presentation 19

## AF HPSD1

8 : 30 ~ 9 : 30

Chair Masaomi Chinushi (*Niigata University Graduate School of Health Science, Japan*)  
Hodeko Toyama (*Fukuoka Sanno Hospital, Japan*)

**O19-1 DETAILED REPORT OF RIGHT PHRENIC NERVE INJURY CAUSED BY THE HIGH-POWER SHORT-DURATION ABLATION STRATEGY FOR A SUPERIOR VENA CAVA ISOLATION**

Junichi Doi, Hidenori Hirano, Tadanori Nakata, Satoshi Hara, Yoshikazu Sato, Naoyuki Miwa, Shigeki Kusa, Hitoshi Hachiya

*Tsuchiura Kyodo General Hospital, Japan*

**O19-2 HIGH-POWER SHORT-DURATION ABLATION FOR ATRIAL FIBRILLATION USING A 6-mm DIAMETER ABLATION TAG**

Mitsuru Yoshino, Tokuma Kawabata, Hironobu Sumiyoshi, Kenta Yoshida, Ryuki Chatani, Atsushi Sakata, Hiroshi Tasaka, Kazushige Kadota

*Kurashiki Central Hospital, Japan*

**O19-3 DETERMINANTS OF PULMONARY VEIN GAPS IN PULMONARY VEIN ISOLATION WITH VERY HIGH-POWER SHORT-DURATION ABLATION**

Moyuru Hirata, Koichi Nagashima, Ryuta Watanabe, Yuji Wakamatsu, Satoshi Hayashida, Shu Hirata, Masanaru Sawada, Sayaka Kurokawa, Yasuo Okumura

*Nihon University, Japan*

**O19-4 HIGH-POWER SHORT-DURATION SETTING PREVENTS PERIPROCEDURAL THROMBOTIC MARKER CHANGE AND SILENT STROKE IN PATIENTS WITH ATRIAL FIBRILLATION**

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

*Jichi Medical University, Japan*

**O19-5 THE EFFICACY AND SAFETY OF VERY HIGH-POWER SHORT-DURATION ABLATION FOR PULMONARY VEIN ISOLATION**

Miho Negishi, Susumu Tao, Takashi Ikenouchi, Tasuku Yamamoto, Kentaro Goto, Takatoshi Shigeta, Takuro Nishimura, Masateru Takigawa, Shinsuke Miyazaki, Masahiko Goya, Tetsuo Sasano

*Tokyo Medical and Dental University Hospital, Japan*

## Oral Presentation 20

## AF HPSD2

9 : 40 ~ 10 : 40

Chair Kikuya Uno (*Tokyo Heart Rhythm Hospital, Japan*)  
Yasunori Kanzaki (*Ogaki Municipal Hospital, Japan*)

**O20-1 PERCENTAGE LOCAL IMPEDANCE DROP AS AN ABLATION ENDPOINT WITH HIGH-POWER SHORT-DURATION SETTING**

Tetsuro Takase, Yoshio Furukawa, Nobukiyo Tanaka, Takuya Maeda, Akira Shinoda, Masato Fujii, Masanori Teramura, Kazuhiro Dan, Kei Ichihashi, Daichi Tsuzura, Hisashi Okada

*Ichinomiya Nishi Hospital, Japan*

**O20-2 IMPACT OF INTER LESION DISTANCE AND LEFT ATRIAL WALL THICKNESS ON VERY HIGH-POWER SHORT-DURATION ABLATION FOR PULMONARY VEIN ISOLATION**

Susumu Tao, Miho Negishi, Takashi Ikenouchi, Tasuku Yamamoto, Kentaro Goto, Takuro Nishimura, Masateru Takigawa, Shinsuke Miyazaki, Masahiko Goya, Tetsuo Sasano

*Tokyo Medical and Dental University, Japan*

**O20-3 COMPARISON OF HIGH-POWER SHORT DURATION ABLATION WITH CRYOBALLOON ABLATION IN ELDERLY PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**

Toshikazu Kono<sup>1</sup>, Osamu Inaba<sup>1</sup>, Kentaro Nakata<sup>1</sup>, Toshiki Michishita<sup>1</sup>, Yuhei Isonaga<sup>1</sup>, Hiroaki Ohya<sup>1</sup>, Takamitsu Takagi<sup>1</sup>, Yukihiko Inamura<sup>1</sup>, Akira Sato<sup>1</sup>, Masahiko Goya<sup>2</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>Saitama Red Cross Hospital, Japan, <sup>2</sup>Tokyo Medical and Dental University, Japan

**O20-4 EXPERIENCE OF HIGH POWER DRAGGING RADIOFREQUENCY ABLATION FOR SINGLE RING BOX ISOLATION BY TactiFlex**

Toshifumi Nakagomi, 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

**O20-5 THE DURATION TIME OF ABLATION PER POINT IS A PREDICTOR OF PETIT POPS OCCURRENCE IN THE LEFT PULMONARY VEIN ISOLATION WITH HIGH-POWER SHORT-DURATION SETTING**

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

**Oral Presentation 21**

**AF ABL1**

11 : 00 ~ 12 : 10

Chair Minoru Sato (Hokkaido Medical Center, Japan)  
Osamu Wakisaka (Beppu Medical Center, Japan)

**O21-1 演題は取り下げられました**

**O21-2 IDENTIFICATION OF EPICARDIAL CONNECTIONS BEFORE PULMONARY VEIN ISOLATION: FAVORABLE IMPACT ON SUCCESS FOR FIRST-PASS PULMONARY VEIN ISOLATION**

Tadashi Wada, Keita Matsuo, Shin Takayama, Yurie Murata, Hiroaki Akai, Yuji Koide, Hiroaki Otsuka, Kenji Kawamoto, Machiko Tanakaya, Yusuke Katayama  
Iwakuni Clinical Center, Japan

**O21-3 FEASIBILITY OF RIGHT ATRIAL POSTERIOR WALL ISOLATION IN PATIENTS WITH ATRIAL FIBRILLATION REFRACTORY TO MULTIPLE ADJUNCTIVE ABLATION IN ADDITION TO PULMONARY VEIN ISOLATION**

Tomohiro Sato, Taku Nishida, Shota Kato, Junichi Sugiura, Ayaka Keshi, Hiroki Yano, Kazutaka Nogi, Maki Nogi, Satomi Ishihara, Yukihiko Hashimoto, Yasuki Nakada, Tomoya Ueda, Hitoshi Nakagawa, Ayako Senoo, Kenji Onoue, Makoto Watanabe  
Nara Medical University, Japan

**O21-4 ACUTE COMPLETE MITRAL ISTHMUS BLOCK OBTAINED BY ONLY ENDOCARDIAL LINEAR ABLATION IS A GOOD PREDICTOR OF THE LONG-TERM DURABILITY**

Yukiko Shimizu, Tomoari Kuriyama, Kazuki Mori, Kazuto Kujira  
Hyogo Prefectural Amagasaki General Hospital, Japan

**O21-5 USEFULNESS OF A NEW METHOD FOR IDENTIFYING GAPS OF PVI USING TISSUE PROXIMITY INDICATION (TPI) IN THE CARTO SYSTEM**

Taro Miyamoto, Yasushi Oginosawa, Yuki Nakamura, Keishiro Yagyu, Hisaharu Oe, Ritsuko Kohno, Haruhiko Abe, Masaharu Kataoka  
University of Occupational and Environmental Health, Japan

**O21-6 SIGNIFICANCE OF EPICARDIAL-CONNECTIONS INTERVENTION IN MITRAL ISTHMUS ABLATION ON ATRIAL FIBRILLATION ABLATION OUTCOMES**

**Michinori Hirano**, Koji Fukuda, Keita Miki, Koichi Sato, Mariko Shinozaki, Shohei Ikeda, Morihiko Takeda, Nobuyuki Shiba

*International University Health and Welfare Hospital, Japan*

**Oral Presentation 22**

**AF ABL2**

13 : 40 ~ 14 : 50

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Chair Kohei Yamashiro (*Takatsuki General Hospital, Japan*)

Takeshi Soeki (*Tokushima University Graduate School of Biomedical Sciences, Japan*)

**O22-1 DISCRIMINATIVE BODY MASS INDEX VALUE RELATING TO THE ATRIAL TACHYARRHYTHMIA RECURRENCE AFTER CATHETER ABLATION FOR 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*

**O22-2 RECOVERY COURSE OF PHRENIC NERVE PALSY TRACKED BY SUPINE POSITION DYNAMIC CHEST RADIOGRAPHY**

**Yumi Katsume**, Akiko Ueda, Hirotsugu Ikewaki, Takato Mohri, Ryota Isogai, Mika Tashiro, Noriko Nonoguchi, Kyoko Hoshida, Ikuko Togashi, Seiichiro Matsuo, Akiko Maeda, Akira Tsuyuguchi, Yo Hagiwara, Toshiaki Sato, Kyoko Soejima

*Kyorin University, Japan*

**O22-3 REMOTE MAGNETIC NAVIGATION-GUIDED ATRIAL FIBRILLATION ABLATION VIA A SUPERIOR APPROACH**

**Tomomi Tanaka**, Masaharu Yoshida, Kohei Yamashiro

*Takatsuki General Hospital, Japan*

**O22-4 THE IMPACT OF ELEVATED HEART RATE AFTER CATHETER ABLATION FOR ATRIAL FIBRILLATION ON RECURRENCE RATE AT 3 YEARS**

**Tomoyuki Nakanishi**

*Kakogawa Central City Hospital, Japan*

**O22-5 INFLUENCE OF CATHETER ABLATION ON FUNCTIONAL MITRAL REGURGITATION IN PATIENTS WITH ATRIAL FIBRILLATION**

**Yu Yoshida**<sup>1</sup>, Koji Nakagawa<sup>1</sup>, Takashi Nishimoto<sup>2</sup>, Tomofumi Mizuno<sup>1</sup>, Takuro Masuda<sup>1</sup>, Akira Ueoka<sup>1</sup>, Saori Asada<sup>1</sup>, Masakazu Miyamoto<sup>1</sup>, Satoshi Kawada<sup>1</sup>, Nobuhiro Nishii<sup>1</sup>, Kazufumi Nakamura<sup>1</sup>, Hiroshi Morita<sup>1</sup>, Hiroshi Ito<sup>1</sup>

<sup>1</sup>Okayama University Hospital, Japan, <sup>2</sup>Hosogi Hospital, Japan

**O22-6 RELATIONSHIP BETWEEN PROGNOSIS AND MITRAL REGURGITATION IN PATIENTS UNDERGOING CATHETER ABLATION FOR ATRIAL FIBRILLATION**

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

**Oral Presentation 23**

**AF ABL3**

15 : 10 ~ 16 : 20

Chair Shinya Shimoshige (*Kushiro Kojinkai Memorial Hospital, Japan*)  
Masaya Watanabe (*Hokko Memorial Hospital, Japan*)

**O23-1 CRYOBALLOON ABLATION FOR PERSISTENT ATRIAL FIBRILLATION IN JAPAN: RESULTS FROM THE CRYO GLOBAL REGISTRY**

Hiroshi Fukunaga<sup>1</sup>, Masato Murakami<sup>2</sup>, Yukihiro Yoshida<sup>3</sup>, Osamu Inaba<sup>4</sup>, Fumiharu Miura<sup>5</sup>, Yasuteru Yamauchi<sup>6</sup>, Satoshi Shizuta<sup>7</sup>, Atsuhiko Yagishita<sup>8</sup>, Koichiro Kumagai<sup>9</sup>, Jada Selma<sup>10</sup>, Fred Kueffer<sup>10</sup>, Junichi Nitta<sup>1</sup>

<sup>1</sup>Sakakibara Heart Institute, Japan, <sup>2</sup>Shonan Kamakura General Hospital, Japan, <sup>3</sup>Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan, <sup>4</sup>Saitama Red Cross Hospital, Japan, <sup>5</sup>Hiroshima Prefectural Hospital, Japan, <sup>6</sup>Yokohama City Minato Red Cross Hospital, Japan, <sup>7</sup>Kyoto University Hospital, Japan, <sup>8</sup>Tokai University Hospital, Japan, <sup>9</sup>Fukuoka Sanno Hospital, Japan, <sup>10</sup>Medtronic Japan CO. Ltd, Japan

**O23-2 INCIDENCE AND PREDICTORS OF CARDIAC IMPLANTABLE ELECTRONIC DEVICE AFTER AF ABLATION: FROM THE TRANQUILIZE-AF REGISTRY**

Takashi Yoshizawa<sup>1</sup>, Tetsuma Kawaji<sup>3</sup>, Shushi Nishiwaki<sup>2</sup>, Shintaro Yamagami<sup>4</sup>, Suguru Nishiuchi<sup>4</sup>, Satoshi Shizuta<sup>2</sup>

<sup>1</sup>Kyoto Medical Center, Japan, <sup>2</sup>Kyoto University Graduate School of Medicine, Japan, <sup>3</sup>Mitsubishi Kyoto Hospital, Japan, <sup>4</sup>Tenri Hospital, Japan

**O23-3 LATE-PHASE PREMATURE ATRIAL COMPLEX CONFERS RESIDUAL ATRIAL REMODELING AFTER CATHETER ABLATION IN ATRIAL FIBRILLATION**

Yukina Banno<sup>1</sup>, Masahide Hadara<sup>2</sup>, Yoshihiro Nomura<sup>2</sup>, Yuji Motoike<sup>2</sup>, Masayuki Koshikawa<sup>2</sup>, Asuka Nishimura<sup>2</sup>, Jun Takeda<sup>3</sup>, Eiichi Watanabe<sup>1</sup>, Hideo Izawa<sup>2</sup>

<sup>1</sup>Fujita Health University Bantane Hospital, Japan, <sup>2</sup>Fujita Health University, Japan, <sup>3</sup>Fujita Health University Hospital, Japan

**O23-4 COMPARISON OF ABLATION PARAMETERS OF PULMONARY VEIN ISOLATION IN PAROXYSMAL AND PERSISTENT ATRIAL FIBRILLATION USING CLOUD BASED LESION ANALYSIS**

Koki Yamaoka, Takehiro Kimura, Yoshinori Katsumata, Shuhei Yamashita, Susumu Ibe, Otoya Sekine, Terumasa Yamashita, Kenji Hashimoto, Hiroshi Miyama, Keiichi Fukuda, Seiji Takatsuki

Keio University, Japan

**O23-5 CLOUD-BASED ANALYSIS OF THE CATHETER STABILITY DURING PULMONARY VEIN ISOLATION**

Hiroshi Miyama, Takehiro Kimura, Yoshinori Katsumata, Shuhei Yamashita, Koki Yamaoka, Susumu Ibe, Otoya Sekine, Terumasa Yamashita, Kenji Hashimoto, Keiichi Fukuda, Seiji Takatsuki

Keio University, Japan

**O23-6 A POSSIBLE BAILOUT STRATEGY FOR IMMEDIATE RECURRING ATRIAL FIBRILLATION (IRAF) AFTER PULMONARY VEIN ISOLATION**

Tsukasa Sato<sup>1</sup>, Koji Kumagai<sup>1</sup>, Yuki Kurose<sup>1</sup>, Kaoru Hasegawa<sup>1</sup>, Hisashi Kikuta<sup>1</sup>, Takenori Sumiyoshi<sup>1</sup>, Yuko Sekiguchi<sup>1</sup>, Takenori Kameyama<sup>1</sup>, Minoru Yambe<sup>1</sup>, Tatsuya Komaru<sup>1</sup>, Kazuki Noda<sup>2</sup>

<sup>1</sup>Tohoku Medical and Pharmaceutical University Hospital, Japan, <sup>2</sup>Sendai Open Hospital, Japan

Oral Presentation 24

AF ABL4

16 : 40 ~ 17 : 50

Chair Mihoko Kawabata (AOI Universal Hospital, Japan)  
Takahiro Sato (NTT Medical Center Tokyo, Japan)

- O24-1 OPTIMAL PREVENTION METHOD OF PHRENIC NERVE INJURY IN SUPERIOR VENA CAVA ISOLATION: EFFICACY OF HIGH-POWER, SHORT-DURATION RADIOFREQUENCY ENERGY APPLICATION ON THE RISK POINTS**  
Masaya Sano, Hirosuke Yamaji, Shunichi Higashiya, Takashi Murakami  
*Okayama Heart Clinic, Japan*
- O24-2 OPERATIONAL STATUS OF THE REMOTE SUPPORT SYSTEM DURING THE CATHETER ABLATION PROCEDURE**  
Kohei Ueda, Miho Sugitani, Takehiro Kogame, Ryo Kitagaki, Eiji Fukuhara, Takanao Mine, Masaharu Ishihara  
*Hyogo Medical University Hospital, Japan*
- O24-3 COMPARISON OF EFFICACY OF PULMONARY VEIN ISOLATION GUIDED BY ABLATION LESION FORMATION**  
Hideki Kobayashi<sup>1</sup>, Ayako Okada<sup>1</sup>, Moeko Aoki<sup>1</sup>, Toshinori Komatsu<sup>1</sup>, Hiroaki Tabata<sup>1</sup>, Takahiro Okano<sup>1</sup>, Toshio Kasai<sup>2</sup>, Kiu Tanaka<sup>2</sup>, Tatsuya Usui<sup>3</sup>, Yasumasa Nono<sup>4</sup>, Hideaki Sato<sup>5</sup>, Takeshi Tomita<sup>6</sup>, Yasutaka Oguchi<sup>7</sup>, Kazunori Aizawa<sup>8</sup>, Takahiro Takeuchi<sup>9</sup>, Yuichi Katagiri<sup>10</sup>, Morio Shoda<sup>1</sup>, Koichiro Kuwahara<sup>1</sup>  
<sup>1</sup>Shinshu University, Japan, <sup>2</sup>Nagano Municipal Hospital, Japan, <sup>3</sup>Japanese Red Cross Society Nagano Hospital, Japan, <sup>4</sup>Saku Central Hospital Advanced Care Center, Japan, <sup>5</sup>Asama Nanroku Komoro Medical Center, Japan, <sup>6</sup>North Alps Medical Center Azumi Hospital, Japan, <sup>7</sup>Aizawa Hospital, Japan, <sup>8</sup>Japanese Red Cross Suwa Hospital, Japan, <sup>9</sup>Ina Central Hospital, Japan, <sup>10</sup>Iida Municipal Hospital, Japan
- O24-4 IMPACT OF TREATMENT TO NON-PULMONARY VEIN FOCI IN CATHETER ABLATION OF PAROXYSMAL ATRIAL FIBRILLATION BEYOND THE THIRD SESSION**  
Toshio Makita, Taishi Kuwahara, Yayoi Ito, Yoshimi Oyagi, Kenta Kadono, Takuya Oshio, Ryo Takahashi, Kenta Takahashi  
*Tokyo Heart Rhythm Clinic, Japan*
- O24-5 IMPACT OF CATHETER ABLATION ON HIPPOCAMPAL BLOOD FLOW AND COGNITIVE FUNCTION IN PATIENTS WITH ATRIAL FIBRILLATION**  
Kyoko Koyama, Naoaki Hashimoto, Takanori Arimoto, Yuta Kobayashi, Tomonori Aono, Satoshi Aita, Daisuke Kutsuzawa, Shigehiko Kato, Tetsu Watanabe, Masafumi Watanabe  
*Yamagata University, Japan*
- O24-6 HYPERURICEMIA MAY BE AN INDEPENDENT PREDICTOR OF RECURRENCE AFTER CATHETER ABLATION FOR PAROXYSMAL ATRIAL FIBRILLATION: ALCOHOL CONSUMPTION DOES NOT MATTER**  
Kazuki Shimojo, Itsuro Morishima, Yasunori Kanzaki, Yasuhiro Morita, Hiroyuki Miyazawa, Tomoya Iwawaki, Naoki Watanabe, Naoki Shibata, Naoki Yoshioka, Yoshihito Arao, Takuma Oi, Hiroki Goto, Hoshito Karasawa, Yuta Nakagawa  
*Ogaki Municipal Hospital, Japan*

第9会場 (2階 206)

Oral Presentation 25

英語セッション (一部もしくはすべてスライド・発表ともに英語)

AF ABL5

9 : 40 ~ 10 : 40

Chair Yasuo Kurita (*Graduate School of International University of Health and Welfare/  
Cardiovascular Center of Mita Hospital, Japan*)  
Seiichiro Matsuo (*Kyorin University, Japan*)

**O25-1 EARLY RECURRENCE WITHIN A BLANKING PERIOD AFTER RE-SESSION OF ATRIAL FIBRILLATION ABLATION IS A HIGH RISK FOR LATE RECURRENCE**

Naoaki Onishi, Akihira Suenaga, Shokan Kyo, Maki Oi, Toshikazu Jinnai, Kazuaki Kaitani  
*Japanese Red Cross Otsu Hospital, Japan*

**O25-2 PREDICTOR OF FIRST-PASS PULMONARY VEIN ISOLATION IN ABLATION INDEX-GUIDED ATRIAL FIBRILLATION ABLATION**

Hideharu Okamatsu, Ken Okumura, Fumitaka Onishi, Akino Yoshimura, Kodai Negishi, Takuo Tsurugi, Yasuaki Tanaka, Koichi Nakao, Tomohiro Sakamoto, Junjiroh Koyama  
*Saiseikai Kumamoto Hospital, Japan*

**O25-3 PREDICTORS FOR RECURRENCE OF ATRIAL FIBRILLATION AFTER SECOND PROCEDURES IN PERSISTENT ATRIAL FIBRILLATION**

Mizuki Osuga, Yasuyuki Egami, Taichi Mukai, Shinako Kitayama, Wataru Ariyasu, Kei Takahashi, Masaru Abe, Hiroaki Nohara, Hiroki Sugae, Shodai Kawanami, Kohei Ukita, Akito Kawamura, Hitoshi Nakamura, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga-lee, Masamichi Yano, Masami Nishino, Jun Tanouchi  
*Osaka Rosai Hospital, Japan*

**O25-4 ASSOCIATION OF RENAL RENIN-ANGIOTENSIN SYSTEM ACTIVATION WITH IMPROVEMENT IN RENAL FUNCTION AFTER ATRIAL FIBRILLATION CATHETER ABLATION**

Yu Ishihara, Makoto Ishizawa, Ryosuke Tani, Tomoko Inoue, Keiji Matsunaga, Minako Ohara, Kaori Ishikawa, Takahisa Noma, Tetsuo Minamino  
*Kagawa University Hospital, Japan*

**O25-5 THE EFFECT OF SIMULTANEOUS ATRIUM-VENTRICULAR PACING ON CATHETER STABILITY DURING ATRIAL FIBRILLATION ABLATION**

Hirotochi Ichibori, Akira Shimane, Shota Tsukamoto, Kimitake Imamura, Mitsuki Itoh, Kiminobu Yokoi, Tomofumi Takaya, Hiroya Kawai  
*Harima-Himeji General Medical Center, Japan*

Oral Presentation 26

英語セッション（一部もしくはすべてスライド・発表ともに英語）

AF ABL6

11:00 ~ 12:00

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Chair Yukio Sekiguchi (*Sakakibara Heart Institute, Japan*)  
Taishi Kuwahara (*Tokyo Heart Rhythm Clinic, Japan*)

- O26-1 IMPACT OF HIGH AGE AND FRAILTY ON CLINICAL OUTCOMES OF ATRIAL FIBRILLATION PATIENTS UNDERGOING CATHETER ABLATION**  
Hirohide Matsuura, Jumpei Itonaga, Hiroshi Kisanuki, Ayano Hara, Masashi Sada, Kosuke Okabe, Arihide Okahara, Shunsuke Kawai, Masaki Tokutome, Ryuichi Matsukawa, Yasushi Mukai  
*Japanese Red Cross Fukuoka Hospital, Japan*
- O26-2 THE RELEVANCE OF DIAGNOSIS-TO-ABLATION TIME ON THE RECURRENCE OF ATRIAL ARRHYTHMIA FOLLOWING CATHETER ABLATION IN THE EARLY STAGE OF PERSISTENT ATRIAL FIBRILLATION**  
Shuhei Yamashita, Koki Yamaoka, Susumu Ibe, Kenji Hashimoto, Terumasa Yamashita, Hiroshi Miyama, Yoshinori Katsumata, Takehiro Kimura, Seiji Takatsuki  
*Keio University, Japan*
- O26-3 BLANKING PERIOD AFTER ATRIAL FIBRILLATION ABLATION SHOULD BE REDUCED TO 30 DAYS**  
Shokan Kyo, Naoaki Onishi, Akihira Suenaga, Maki Oi, Kazuaki Kaitani  
*Japanese Red Cross Otsu Hospital, Japan*
- O26-4 IMPACT OF PARALLEL CATHETER CONTACT ON LEFT ATRIAL ROOF LINEAR ABLATION IN PATIENTS WITH PERSISTENT ATRIAL FIBRILLATION**  
Mitsuaki Itoh, Akira Shimane, Shota Tsukamoto, Hirotochi Ichibori, Kimitake Imamura, Kiminobu Yokoi, Tomofumi Takaya, Yasuyo Taniguchi, Hiroya Kawai  
*Harima-Himeji General Medical Center, Japan*
- O26-5 IMPACT OF RHYTHM CONTROL BEFORE CATHETER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION ON ATRIAL FIBRILLATION RECURRENCE AFTER CATHETER ABLATION**  
Junichi Sugiura, Taku Nishida, Shota Kato, Ayaka Keshi, Hiroki Yano, Maki Nogi, Kazutaka Nogi, Satomi Ishihara, Yukihiko Hashimoto, Yasuki Nakada, Hitoshi Nakagawa, Tomoya Ueda, Ayako Senoo, Kenji Onoue, Makoto Watanabe  
*Nara Medical University, Japan*



Oral Presentation 27

AF Others

16 : 00 ~ 17 : 10

Chair Koji Azegami (*Shin-yurigaoka General Hospital, Japan*)

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

- O27-1 HISTOLOGICAL CORRELATES OF ELECTROANATOMIC CHARACTERISTICS IN PATIENTS WITH ATRIAL FIBRILLATION**  
Yuya Takahashi<sup>1</sup>, Takanori Yamaguchi<sup>1</sup>, Toyokazu Otsubo<sup>1</sup>, Kana Nakashima<sup>1</sup>, Kodai Shinzato<sup>1</sup>, Ryosuke Osako<sup>1</sup>, Shigeki Shichida<sup>1</sup>, Yuki Kawano<sup>2</sup>, Akira Fukui<sup>3</sup>, Atsushi Kawaguchi<sup>1</sup>, Shinichi Aishima<sup>1</sup>, Tsunenori Saito<sup>4</sup>, Naohiko Takahashi<sup>3</sup>, Koichi Node<sup>1</sup>  
<sup>1</sup>Saga University, Japan, <sup>2</sup>Saiseikai Futsukaichi Hospital, Japan, <sup>3</sup>Oita University, Japan, <sup>4</sup>Nippon Medical School Tamanagayama Hospital, Japan
- O27-2 ASSOCIATION BETWEEN HEART RATE CHANGING PATTERNS AND ADVERSE EVENTS IN PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION: FROM THE J-RHYTHM REGISTRY**  
Eitaro Kodani<sup>1</sup>, Takeshi Yamashita<sup>2</sup>, Hiroshi Inoue<sup>3</sup>, Hirotosugu Atarashi<sup>4</sup>, Ken Okumura<sup>5</sup>, Hideki Origasa<sup>6</sup>  
<sup>1</sup>Nippon Medical School Tamanagayama Hospital, Japan, <sup>2</sup>The Cardiovascular Institute Hospital, Japan, <sup>3</sup>Saiseikai Toyama Hospital, Japan, <sup>4</sup>AOI Hachioji Hospital, Japan, <sup>5</sup>Saiseikai Kumamoto Hospital, Japan, <sup>6</sup>The Institute of Statistical Mathematics, Japan
- O27-3 NAFLD SCORE PREDICTS THE ONSET OF ATRIAL FIBRILLATION**  
Tomoko Takahashi, Takeshi Soeki, Tomomi Matsuura, Keita Otani, Masataka Sata  
Tokushima University, Japan
- O27-4 RIGHT ATRIAL STRAIN BY TWO-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHY IN PATIENT WITH ATRIAL FIBRILLATION IS ASSOCIATED WITH RIGHT ATRIAL ARRHYTHMOGENICITY AND CLINICAL RECURRENCE AFTER CATHETER ABLATION**  
Shio Ohguchi, Yoshiki Sogo, Yuichiro Sakai, Yuki Tanaka, Hikari Matsumoto, Shotaro Hiramatsu, Ken Tomooka, Kenji Arai, Takashi Watanabe, Yusuke Sakamoto, Teruhiro Sakaguchi, Takahiro Kambara, Yoshihito Nakajima, Hiroyuki Osanai, Hiroshi Asano, Masayoshi Ajioka  
General Tosei Hospital, Japan

**O27-5 GENDER-RELATED DIFFERENCES IN ABLATION OUTCOMES BETWEEN CRYOBALLOON AND RADIOFREQUENCY ABLATION IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**

Masayo Minegishi, Yukihiro Inamura, Kentaro Nakata, Toshiki Michishita, Yuhei Isonaga, Toshikazu Kono, Hiroaki Ohya, Takamitsu Takagi, Akira Sato, Osamu Inaba  
Saitama Red Cross Hospital, Japan

**O27-6 PREDICTORS OF LEFT VENTRICULAR REVERSE REMODELING AFTER CATHETER ABLATION FOR ATRIAL FIBRILLATION: SUB ANALYSIS OF A RANDOMIZED CONTROLLED EARNEST-PVI TRIAL**

Akihiro Sunaga<sup>1</sup>, Nobuaki Tanaka<sup>2</sup>, Masaharu Masuda<sup>3</sup>, Tetsuya Watanabe<sup>4</sup>, Koichi Inoue<sup>5</sup>, Yuki Matsuoka<sup>1</sup>, Hirota Kida<sup>1</sup>, Yohei Sotomi<sup>1</sup>, Tomoharu Dohi<sup>1</sup>, Katsuki Okada<sup>1</sup>, Daisaku Nakatani<sup>1</sup>, Shungo Hikoso<sup>1</sup>, Yasushi Sakata<sup>1</sup>

<sup>1</sup>Osaka University Hospital, Japan, <sup>2</sup>Sakurabashi Watanabe Hospital, Japan, <sup>3</sup>Kansai Rosai Hospital, Japan, <sup>4</sup>Osaka General Medical Center, Japan, <sup>5</sup>NHO Osaka National Hospital, Japan

**Oral Presentation 28**

英語セッション (一部もしくはすべてスライド・発表ともに英語)

**Device ICD1**

17:20 ~ 18:30

Chair Yasushi Mukai (Japanese Red Cross Fukuoka Hospital, Japan)  
Ayako Okada (Shinshu University, Japan)

**O28-1 COMPARISON OF ADVERSE CARDIOVASCULAR EVENTS IN YOUNGER AND OLDER PATIENTS TREATED WITH IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS AND CARDIAC RESYNCHRONIZATION THERAPY-DEFIBRILLATORS**

Hikaru Hagiwara<sup>1,2</sup>, Ryo Sato<sup>1</sup>, Takashi Okada<sup>1</sup>, Jumpei Morimoto<sup>1</sup>, Toshifumi Tamura<sup>1</sup>, Akinori Takahashi<sup>1</sup>, Hirokazu Komoriyama<sup>1</sup>, Yoshiya Kato<sup>1,2</sup>, Toshiyuki Nagai<sup>2</sup>, Toshihisa Anzai<sup>2</sup>

<sup>1</sup>Kushiro City General Hospital, Japan, <sup>2</sup>Hokkaido University Graduate School of Medicine, Japan

**O28-2 DIFFERENT EFFECTS OF DEFIBRILLATOR SHOCKS ON A MYOCARDIAL BIOMARKER BETWEEN SUBCUTANEOUS AND TRANSVENOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS**

Takahide Kadosaka<sup>1</sup>, Masaya Watanabe<sup>1</sup>, Kazuya Mizukami<sup>2</sup>, Hiroyuki Gibo<sup>3</sup>, Hisashi Yokoshiki<sup>4</sup>, Kotaro Nishino<sup>1</sup>, Jiro Koya<sup>1</sup>, Daishiro Tatsuta<sup>1</sup>, Hiroyuki Natsui<sup>1</sup>, Takuya Koizumi<sup>1</sup>, Taro Koya<sup>1</sup>, Motoki Nakao<sup>1</sup>, Hikaru Hagiwara<sup>5</sup>, Rui Kamada<sup>6</sup>, Taro Temma<sup>1</sup>, Toshihisa Anzai<sup>1</sup>

<sup>1</sup>Hokkaido University, Japan, <sup>2</sup>Sunagawa City Medical Center, Japan, <sup>3</sup>Hakodate Municipal Hospital, Japan, <sup>4</sup>Sapporo City General Hospital, Japan, <sup>5</sup>Kushiro City General Hospital, Japan, <sup>6</sup>Hanaoka Seishu Memorial Hospital, Japan

**O28-3 IMPACT OF HIGH VOLTAGE DEVICE IMPLANTATION IN ELDERLY JAPANESE PATIENTS WITH HEART FAILURE AS PRIMARY PREVENTION: INSIGHT FROM THE HINODE TRIAL**

Yoshinari Enomoto<sup>1</sup>, Keiji Nakamura<sup>1</sup>, Simon Torri<sup>2</sup>, Kayser Torsten<sup>2</sup>, Masao Moroi<sup>1</sup>, Masato Nakamura<sup>1</sup>, Takanori Ikeda<sup>3</sup>, Kazutaka Aonuma<sup>4</sup>

<sup>1</sup>Toho University Ohashi Medical Center, Japan, <sup>2</sup>Boston Scientific Corporation, <sup>3</sup>Toho University, Japan, <sup>4</sup>Mito Saiseikai General Hospital, Japan

**O28-4 THE PROGNOSTIC IMPACTS OF THE ICD INDICATIONS OF VENTRICULAR TACHYCARDIA OR VENTRICULAR FIBRILLATION FOR PRIMARY AND SECONDARY PREVENTION**

Takahiro Kagawa, Makoto Sano, Yutaro Kaneko, Taro Narumi, Yoshihisa Naruse, Yuichiro Maekawa  
Hamamatsu University, Japan

**O28-5 DIFFERENCES IN THE SUCCESS RATE OF ANTI-TACHYCARDIA PACING ACCORDING TO UNDERLYING CARDIOMYOPATHY**

**Daiki Shako**, Nobuhiko Ueda, Kohei Ishibashi, Satoshi Oka, Yuichiro Miyazaki, Akinori Wakamiya, Keiko Shimamoto, Kenzaburo Nakajima, Tsukasa Kamakura, Mitsuru Wada, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takeshi Aiba, Kengo Kusano

*National Cerebral and Cardiovascular Center, Japan*

**O28-6 MID-TERM CLINICAL OUTCOME OF SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR WITH SMART Pass TECHNOLOGY IN COMPARISON WITH TRANSVENOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR BY PROPENSITY SCORE-MATCHED ANALYSIS**

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

*Hirosaki University Graduate School of Medicine, Japan*

第10会場 (2階 207)

メディカルプロフェSSIONナル口述演題 8  
アブレーション 4

8:30 ~ 9:30

座長 扇谷 稔 (札幌孝仁会記念病院)  
大塩 拓也 (東京ハートリズムクリニック)

**MPO8-1 TRUEref®がMapping精度に与える影響の検討**

吉野 亘<sup>1</sup>, 吉田 譲<sup>1</sup>, 古賀 悠介<sup>1</sup>, 小林 友哉<sup>1</sup>, 勝乘 勇己<sup>1</sup>, 山崎 春華<sup>1</sup>, 山崎 太貴<sup>1</sup>, 樋口 駿太<sup>1</sup>, 工藤 大輔<sup>2</sup>,  
田中 尚道<sup>2</sup>, 成田 昌隆<sup>2</sup>, 佐々木 渉<sup>2</sup>, 松本 和久<sup>2</sup>, 筒井 健太<sup>2</sup>, 池田 礼史<sup>2</sup>, 加藤 律史<sup>2</sup>, 森 仁<sup>2</sup>  
<sup>1</sup>埼玉医科大学国際医療センター MEサーブス部, <sup>2</sup>埼玉医科大学国際医療センター心臓内科

**MPO8-2 横隔神経障害の予防における体表心電図の有用性に関する検討: CMAPと比較して**

田中 智貴<sup>1</sup>, 三山 博史<sup>2</sup>, 扇谷 稔<sup>1</sup>, 高橋 茉莉子<sup>1</sup>, 長堀 亘<sup>2</sup>, 山下 武廣<sup>2</sup>  
<sup>1</sup>北海道大野記念病院臨床工学部, <sup>2</sup>北海道大野記念病院循環器内科

**MPO8-3 Acutus Medical社製AcQmap Systemを用いた心房細動再発症例における初期使用報告**

林 千城<sup>1</sup>, 比嘉 諒太<sup>1</sup>, 山田 春海<sup>1</sup>, 林 常夫<sup>1</sup>, 林 洋介<sup>2</sup>, 浅野 奏<sup>2</sup>, 間淵 圭<sup>2</sup>, 福永 寛<sup>2</sup>, 井上 完起<sup>2</sup>,  
関口 幸夫<sup>2</sup>, 谷崎 剛平<sup>2</sup>, 新田 順一<sup>2</sup>, 梅村 純<sup>2</sup>, 磯部 光章<sup>2</sup>  
<sup>1</sup>榊原記念病院臨床工学科, <sup>2</sup>榊原記念病院循環器内科

**MPO8-4 側副血行路をもつマーシャル静脈に対するケミカルアブレーションの効果**

芳森 亜希子<sup>1</sup>, 石村 昌之<sup>2</sup>, 望月 純也<sup>1</sup>, 中野 僚哉<sup>1</sup>, 田島 秀明<sup>1</sup>, 大矢 勝也<sup>1</sup>, 冨田 和弘<sup>1</sup>, 山本 雅史<sup>2</sup>  
<sup>1</sup>君津中央病院臨床工学科, <sup>2</sup>君津中央病院循環器内科

**MPO8-5 インピーダンスドロップモニタリングを併用したCLOSEプロトコールによるアブレーションインデックス指標肺静脈隔離術の検討**

西原 圭一郎<sup>1</sup>, 長瀬 宇彦<sup>2</sup>, 広井 佳祐<sup>1</sup>, 石田 翔一郎<sup>1</sup>, 大野 慶伍<sup>1</sup>, 梶原 吉春<sup>1</sup>, 新井 諒一<sup>2</sup>, 本澤 遥<sup>2</sup>,  
松尾 勇気<sup>2</sup>, 吉田 善紀<sup>2</sup>, 吉野 千代<sup>2</sup>, 田中 貴久<sup>2</sup>, 石野 光則<sup>2</sup>, 加藤 隆一<sup>2</sup>, 桑田 雅雄<sup>2</sup>  
<sup>1</sup>東大和病院臨床工学室, <sup>2</sup>東大和病院循環器科

**Oral Presentation 29**

**AF Diagnosis1**

15 : 00 ~ 16 : 00

Chair Shingo Maeda (*AOI Universal Hospital, Japan*)  
Michifumi Tokuda (*Jikei Katsushika Medical Center, Japan*)

- O29-1 ELECTROCARDIOGRAPHIC CHANGES AFTER ESOPHAGECTOMY AND RETROSTERNAL RECONSTRUCTION IN PATIENTS WITH ESOPHAGEAL CANCER**  
Tomofumi Mizuno, Koji Nakagawa, Takuro Masuda, Akira Ueoka, Saori Asada, Masakazu Miyamoto, Satoshi Kawada, Nobuhiro Nishii, Kazufumi Nakamura, Hiroshi Morita  
*Okayama University Hospital, Japan*
- O29-2 P-WAVE DURATION OF ATRIAL LATE POTENTIALS IS ASSOCIATED WITH THE INDUCIBILITY OF ATRIAL TACHYCARDIA AFTER PULMONARY VEIN ISOLATION IN PATIENTS WITH ATRIAL FIBRILLATION**  
Daiki Saito, Hidehira Fukaya, Yutaro Mitani, Yusuke Murayama, Gen Matsuura, Hironori Nakamura, Naruya Ishizue, Jun Kishihara, Shinichi Niwano, Junya Ako  
*Kitasato University, Japan*
- O29-3 ELECTROCARDIOGRAPHIC CHANGES BEFORE AND AFTER RADIOTHERAPY FOR THORACIC TUMORS**  
Mari Amino, Shigeto Kabuki, Takeshi Fukuzawa, Toshihisa Kuroki, Akitomo Sugawara, Etsuo Kunieda, Marie Yoshikawa, Lee Kyong-hee, Susumu Sakama, Atsuhiko Yagishita, Koichiro Asano, Masayuki Iwasaki, Kazuo Koyanagi, Yuji Ikari, Koichiro Yoshioka  
*Tokai University, Japan*
- O29-4 IMPACT OF PRE-PROCEDURAL NON-ISCHEMIC ST-SEGMENT DEPRESSION ON THE CLINICAL OUTCOMES AFTER CATHETER ABLATION IN PERSISTENT ATRIAL FIBRILLATION PATIENTS**  
Masamichi Yano, Yasuyuki Egami, Hiroaki Nohara, Shodai Kawanami, Hiroki Sugae, Kohei Ukita, Akito Kawamura, Hitoshi Nakamura, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga-lee, Masami Nishino, Jun Tanouchi  
*Osaka Rosai Hospital, Japan*

**O29-5 RELATIONSHIP BETWEEN PREOPERATIVE ECG CHANGES AND PERIOPERATIVE CARDIOVASCULAR EVENTS**

Keisuke Suzuki, Tomomi Watanabe, Mai Suzuki, Hiroshi Nakagata, Susumu Morosawa, Kosuke Aoki, Eiji Sato, Yoshihiro Yamashina, Takehiko Miyashita, Yoshiaki Mibiki, Akihiko Ishida, Tetsuo Yagi  
Sendai City Hospital, Japan

**Oral Presentation 30**

英語セッション (一部もしくはすべてスライド・発表ともに英語)

**AF Diagnosis2**

16 : 10 ~ 17 : 10

Chair Keijiro Nakamura (Toho University Ohashi Medical Center, Japan)  
Osamu Inaba (Saitama Red Cross Hospital, Japan)

**O30-1 EVALUATION OF EFFICACY OF SYNTHESIZED 18 LEADS ELECTROCARDIOGRAM TO ASSESS RIGHT VENTRICULAR AND POSTERIOR MYOCARDIAL INFARCTION IN PATIENTS WITH ACUTE INFERIOR MYOCARDIAL INFARCTION**

Daiki Yamashita, Satoshi Ota, Ryo Okado, Akiyoshi Ikami, Ayato Yamamoto, Kiyotaka Watanabe, Tetsuya Kitamura  
Suzuka Chuo General Hospital, Japan

**O30-2 THE POSITIVE F WAVE IN LEAD V1 OF COMMON ATRIAL FLUTTER IS CAUSED BY ACTIVATION OF THE RIGHT ATRIAL APPENDAGE: INSIGHT FROM MAPPING DURING ENTRAINMENT**

Shu Yamashita<sup>1</sup>, Akira Mizukami<sup>1</sup>, Maki Ono<sup>1</sup>, Jiro Hiroki<sup>1</sup>, Shota Miyakuni<sup>1</sup>, Akihiko Matsumura<sup>1</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>Kameda Medical Center, Japan, <sup>2</sup>Tokyo Medical and Dental University, Japan

**O30-3 IDENTIFICATION OF PATIENTS WITH OLD MYOCARDIAL INFARCTION USING A CONVOLUTIONAL NEURAL NETWORK APPLIED TO MULTIPLE, DUAL, AND SINGLE LEAD ELECTROCARDIOGRAMS**

Naomi Hirota, Shinya Suzuki, Takuto Arita, Naoharu Yagi, Takayuki Otsuka, Takeshi Yamashita  
The Cardiovascular Institute, Japan

**O30-4 DIAGNOSTIC PERFORMANCE OF MACHINE LEARNING ON 12-LEAD ELECTROCARDIOGRAM FOR PREDICTING MULTI-VESSEL CORONARY VASOSPASTIC ANGINA**

Masato Shimizu<sup>1</sup>, Takahiro Tsunoda<sup>1</sup>, Hiroko Miyazaki<sup>3</sup>, Yoshiki Misu<sup>1</sup>, Ryo Tateishi<sup>3</sup>, Masao Yamaguchi<sup>1</sup>, Yosuke Yamakami<sup>1</sup>, Nobutaka Kato<sup>1</sup>, Hiroshi Shimada<sup>1</sup>, Ami Isshiki<sup>1</sup>, Shigeki Kimura<sup>1</sup>, Hiroyuki Fujii<sup>1</sup>, Makoto Suzuki<sup>1</sup>, Mitsuhiro Nishizaki<sup>2</sup>, Tetsuo Sasano<sup>3</sup>  
<sup>1</sup>Yokohama Minami Kyosai Hospital, Japan, <sup>2</sup>Odawara Cardiovascular Hospital, Japan, <sup>3</sup>Tokyo Medical and Dental University, Japan

**O30-5 演題は取り下げられました**

**Oral Presentation 31**

**AF Diagnosis3**

17 : 20 ~ 18 : 30

Chair Koichiro Sonoda (Sasebo City General Hospital, Japan)  
Tatsuya Hayashi (Jichi Medical University Saitama Medical Center, Japan)

**O31-1 DEVELOPMENT OF DEEP-NEURAL NETWORK BASED ARTIFICIAL INTELLIGENCE MODELS FOR IDENTIFICATION OF PULMONARY VEIN POTENTIALS FROM 12-LEADS ELECTROCARDIOGRAM OF PATIENTS WITH ATRIAL FIBRILLATION**

Hirohiko Kohjitani<sup>1,2</sup>, Munekazu Tanaka<sup>1</sup>, Misaki Naka<sup>2</sup>, Tomoyuki Inoue<sup>2</sup>, Akifumi Morinaga<sup>2</sup>, Fumiya Yoneda<sup>2</sup>, Shushi Nishiwaki<sup>2</sup>, Satoshi Shizuta<sup>1</sup>, Yasushi Okuno<sup>1</sup>  
<sup>1</sup>Kyoto University Graduate School of Medicine, Japan, <sup>2</sup>Kyoto University Hospital, Japan

- O31-2 USEFULNESS OF CLUSTERING BY ARTIFICIAL INTELLIGENCE IN PREDICTING RECURRENCE OF ATRIAL FIBRILLATION AFTER PULMONARY VEIN ISOLATION**  
Nobutaka Kato, Masato Shimizu, Takahiro Tsunoda, Hiroko Miyazaki, Yoshiki Misu, Ryo Tateishi, Masao Yamaguchi, Yosuke Yamakami, Hiroshi Shimada, Ami Isshiki, Shigeki Kimura, Hiroyuki Fujii, Makoto Suzuki  
*Yokohama Minami Kyosai Hospital, Japan*
- O31-3 A CLASSIFICATION PERFORMANCE WITH ARTIFICIAL INTELLIGENCE FOR TYPE OF ATRIAL FIBRILLATION**  
Yoshihiro Sobue<sup>1</sup>, Hina Kotani<sup>2</sup>, Terumasa Kondo<sup>2</sup>, Koki Matsuo<sup>1</sup>, Koji Mizutani<sup>1</sup>, Ryo Yamada<sup>1</sup>, Wakaya Fujiwara<sup>1</sup>, Atsushi Teramoto<sup>2</sup>, Eiichi Watanabe<sup>1</sup>, Hideo Izawa<sup>2</sup>  
<sup>1</sup>*Fujita Health University Bantane Hospital, Japan,* <sup>2</sup>*Fujita Health University, Japan*
- O31-4 EFFECT OF CATHETER ABLATION ON RECURRENCE OF ATRIAL FIBRILLATION AND ATRIAL REVERSE REMODELING IN PATIENTS WITH SLEEP APNEA**  
Shinsuke Iwai, Kiko Akiyoshi, Hirotaka Muramoto, Ryonosuke Kashiwa, Yoshiro Nishio, Yumi Yasui, Yohei Sumino, Keiko Araki, Munehiro Iiya, Isshi Kobayashi, Yuko Onishi, Yasuhiro Sato  
*Hiratsuka Kyosai Hospital, Japan*
- O31-5 演題は取り下げられました**
- O31-6 EFFECT OF CPAP THERAPY ON P WAVE TERMINAL FORCE IN LEAD V1 READ FOR SLEEP APNEA AFTER ATRIAL FIBRILLATION CATHETER ABLATION**  
Yoshibumi Antoku, Masao Takemoto, Tokushi Koga, Takuya Tsuchihashi  
*Steel Memorial Yawata Hospital, Japan*

## 第11会場 (2階 201+202)

## Oral Presentation 32

英語セッション (一部もしくはすべてスライド・発表ともに英語)

## Device CIEDs/HF

8:30 ~ 9:40

Chair Keita Masuda (*St. Luke's International Hospital, Japan*)  
Yoshinao Yazaki (*Tokyo Medical University Hospital, Japan*)

- O32-1 IMPACT OF CHRONOTROPIC INCOMPETENCE ON CARDIOVASCULAR PROGNOSIS IN JAPANESE PATIENTS WITH LEFT VENTRICULAR SYSTOLIC DYSFUNCTION: INSIGHTS FROM THE HINODE STUDY**  
Masato Okada<sup>1</sup>, Nobuaki Tanaka<sup>1</sup>, Koji Tanaka<sup>1</sup>, Yuko Hirao<sup>1</sup>, Shinichi Harada<sup>1</sup>, Naoko Miyazaki<sup>1</sup>, Kohei Iwasa<sup>1</sup>, Torri Simon<sup>2</sup>, Torsten Kayser<sup>2</sup>, Koichi Inoue<sup>3</sup>, Yasushi Sakata<sup>4</sup>, Kazutaka Aonuma<sup>5</sup>  
<sup>1</sup>Sakurabashi Watanabe Hospital, Japan, <sup>2</sup>Boston Scientific Corporation, <sup>3</sup>NHO Osaka National Hospital, Japan, <sup>4</sup>Osaka University Graduate School of Medicine, Japan, <sup>5</sup>Mito Saiseikai General Hospital, Japan
- O32-2 FREQUENT RIGHT VENTRICULAR PACING CAUSES POOR PROGNOSIS IN PATIENTS WITH HEART FAILURE WITH PRESERVED EJECTION FRACTION**  
Shonosuke Watanabe<sup>1</sup>, Kentaro Jujo<sup>2</sup>, Makoto Kishihara<sup>3</sup>, Shota Shirotani<sup>4</sup>, Takuro Abe<sup>2</sup>, Ayano Yoshida<sup>5</sup>, Takuma Takada<sup>6</sup>, Shun Hasegawa<sup>6</sup>, Junichi Yamaguchi<sup>6</sup>  
<sup>1</sup>Tokyo Women's University Yachiyo Medical Center, Japan, <sup>2</sup>Saitama Medical Center, Japan, <sup>3</sup>Saiseikai Kazo Hospital, Japan, <sup>4</sup>Tokyo Metropolitan Tama Medical Center, Japan, <sup>5</sup>Kindai University Hospital, Japan, <sup>6</sup>Tokyo Women's Medical University, Japan
- O32-3 HeartLogic MULTI-SENSOR ALGORITHM RESPONSE PRIOR TO VENTRICULAR ARRHYTHMIA EVENTS**  
Shohei Kataoka<sup>1</sup>, Yuta Morioka<sup>1</sup>, Kyoichiro Yazaki<sup>1</sup>, Miwa Kanai<sup>1</sup>, Shun Hasegawa<sup>1</sup>, Daigo Yagishita<sup>1</sup>, Morio Shoda<sup>1</sup>, Junichi Yamaguchi<sup>1</sup>  
<sup>1</sup>Tokyo Women's Medical University, Japan
- O32-4 PREDICTIVE HEART FAILURE EVENTS AND ALL-CAUSE HOSPITALIZATIONS BASED ON PHYSIOLOGIC SENSOR DATA IN HINODE DEFIBRILLATOR PATIENTS**  
Nobuhiro Nishii<sup>1</sup>, Yasushi Sakata<sup>2</sup>, Toyooki Murohara<sup>3</sup>, Kenji Ando<sup>4</sup>, Takanori Ikeda<sup>5</sup>, Takeshi Mitsuhashi<sup>6</sup>, Akihiko Nogami<sup>7</sup>, Wataru Shimizu<sup>8</sup>, Torri Schwartz<sup>9</sup>, Torsten Kayser<sup>9</sup>, Caroline Beaudoint<sup>9</sup>, Kazutaka Aonuma<sup>10</sup>  
<sup>1</sup>Okayama University Graduate School of Medicine, Japan, <sup>2</sup>Osaka University Graduate School of Medicine, Japan, <sup>3</sup>Nagoya University Graduate School of Medicine, Japan, <sup>4</sup>Kokura Memorial Hospital, Japan, <sup>5</sup>Toho University, Japan, <sup>6</sup>Hoshi General Hospital, Japan, <sup>7</sup>University of Tsukuba, Japan, <sup>8</sup>Nippon Medical School, Japan, <sup>9</sup>Boston Scientific Corporation, <sup>10</sup>Mito Saiseikai General Hospital, Japan
- O32-5 RELATIONSHIP BETWEEN SYSTOLIC BLOOD PRESSURE AND THE RISK OF DEATH AND HEART FAILURE IN THE HINODE STUDY**  
Masaya Shinohara<sup>1</sup>, Takanori Ikeda<sup>1</sup>, Kenji Ando<sup>2</sup>, Takeshi Mitsuhashi<sup>3</sup>, Toyooki Murohara<sup>4</sup>, Nobuhiro Nishii<sup>5</sup>, Akihiko Nogami<sup>6</sup>, Yasushi Sakata<sup>7</sup>, Torri Schwartz<sup>8</sup>, Torsten Kayser<sup>8</sup>, Wataru Shimizu<sup>9</sup>, Kazutaka Aonuma<sup>10</sup>  
<sup>1</sup>Toho University, Japan, <sup>2</sup>Kokura Memorial Hospital, Japan, <sup>3</sup>Hoshi General Hospital, Japan, <sup>4</sup>Nagoya University, Japan, <sup>5</sup>Okayama University, Japan, <sup>6</sup>University of Tsukuba, Japan, <sup>7</sup>Osaka University, Japan, <sup>8</sup>Boston Scientific Corporation, <sup>9</sup>Nippon Medical School, Japan, <sup>10</sup>Mito Saiseikai General Hospital, Japan
- O32-6 MULTIMODAL IMAGING ANALYSIS TO DETECT CORONARY SINUS BRANCHES IN PATIENTS WITH PERSISTENT LEFT SUPERIOR VENA CAVA FOR CARDIAC RESYNCHRONIZATION THERAPY**  
Kazuto Hayasaka<sup>1</sup>, Takeshi Sasaki<sup>2</sup>, Hikaru Shimosato<sup>1</sup>, Tomohiro Tahara<sup>1</sup>, Ryo Nagasawa<sup>1</sup>, Keita Watanabe<sup>1</sup>, Yasuhiro Shirai<sup>1</sup>, Masahiko Goya<sup>2</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>NHO Disaster Medical Center, Japan, <sup>2</sup>Tokyo Medical and Dental University, Japan



Oral Presentation 33

Device ICD2

9 : 50 ~ 10 : 50

Chair Nobuhiro Nishiyama (*Toranomon Hospital, Japan*)  
Yoshinari Enomoto (*Center Hospital of the National Center for Global Health and Medicine, Japan*)

- O33-1 PROGNOSIS OF IMPLANTABLE CARDIOVERTER DEFIBRILLATOR SHOCKS IN PATIENT WITH SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR**  
So Asano, Kanki Inoue, Yosuke Hayashi, Kei Mabuchi, Hiroshi Fukunaga, Takahiko Nagase, Yukio Sekiguchi, Kohei Tanizaki, Junichi Nitta, Jun Umemura, Mitsuaki Isobe  
*Sakakibara Heart Institute, Japan*
- O33-2 CORRELATION BETWEEN UNSTABLE SMART Pass STATUS AND INAPPROPRIATE SHOCK RATES IN SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR**  
Mai Ishiwata, Nobuhiko Ueda, Kohei Ishibashi, Satoshi Oka, Yuichiro Miyazaki, Keiko Shimamoto, Akinori Wakamiya, Kenzaburo Nakajima, Tsukasa Kamakura, Mitsuru Wada, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takeshi Aiba, Kengo Kusano  
*National Cerebral and Cardiovascular Center, Japan*
- O33-3 EFFICACY OF REMOTE MONITORING FUNCTION OF WCD FOR THE PATIENTS WITH HIGH RISK OF SUDDEN CARDIAC DEATH EARLY AFTER CARDIAC EVENT: INTERIM ANALYSIS**  
Yoshifumi Ikeda, Ritsushi Kato, Risa Kanai, Yoshitaka Terazaki, Kenta Tsutsui, Hitoshi Mori, Tomonori Takeda, Haruka Yamazaki, Kazuhisa Matsumoto, Masataka Narita, Wataru Sasaki, Naomichi Tanaka, Daisuke Kudo, Sayaka Tanaka, Kazuo Matsumoto  
*Saitama Medical University International Medical Center, Japan*
- O33-4 UTILITY AND USAGE OF WEARABLE CARDIOVERTER-DEFIBRILLATOR IN ACCORDANCE WITH THE GUIDELINES OF JCS/JHRS**  
Takashi Ikee, Nobuhiko Ueda, Kohei Ishibashi, Satoshi Oka, Yuichiro Miyazaki, Akinori Wakamiya, Keiko Shimamoto, Kenzaburo Nakajima, Tsukasa Kamakura, Mitsuru Wada, Yuko Inoue, Koji Miyamoto, Satoshi Nagase, Takeshi Aiba, Kengo Kusano  
*National Cerebral and Cardiovascular Center Hospital, Japan*
- O33-5 CLINICAL EXPERIENCE AND EFFICACY OF A NEW AUTOMATED ANTI-TACHYCARDIA PACING ALGORITHM**  
Kosuke Onodera, Daiki Kumazawa, Manabu Maeda, Yosuke Mizuno, Takehiro Nomura, Tomohisa Masano, Keisuke Funayama, Yasuhiro Sato, Yasuhiro Kinebuchi, Kenichi Furuya, Norio Tada, Kennosuke Yamashita  
*Sendai Kosei Hospital, Japan*

メディカルプロフェッショナル口述演題 9

アブレーション 5

11 : 00 ~ 12 : 00

座長 降矢 憲一 (仙台厚生病院臨床工学室)  
富沢 直樹 (さいたま赤十字病院)

**MPO9-1 心房細動アブレーション治療における単純CT画像の有用性**

河藤 壮平, 嘉山 将章, 秋山 耀毅  
岡山ハートクリニック臨床工学科

**MPO9-2 心外膜伝導を介する心房頻拍例におけるBreakthrough部位同定のための三次元マッピング設定に関する検討**

高橋 泰輝<sup>1</sup>, 森田 典成<sup>2</sup>, 鈴木 涼平<sup>1</sup>, 和泉 陽子<sup>1</sup>, 中沢 圭吾<sup>1</sup>, 高橋 一志<sup>1</sup>, 瀬戸 享往<sup>1</sup>, 橋本 孝明<sup>2</sup>, 藤林 大輔<sup>2</sup>, 小林 義典<sup>2</sup>

<sup>1</sup>東海大学医学部付属八王子病院診療技術部臨床工学技術科, <sup>2</sup>東海大学医学部付属八王子病院循環器内科

### MPO9-3 異なった調律下における肺静脈隔離術の成功率についての検討

倉田 康広<sup>1</sup>, 徳留 大剛<sup>1</sup>, 野中 亮平<sup>1</sup>, 藤原 菜実<sup>1</sup>, 鈴木 穰<sup>1</sup>, 寺田 直正<sup>1</sup>, 伊藤 浩一<sup>1</sup>, 浅野 駿逸<sup>2</sup>,  
小和瀬 晋弥<sup>2</sup>, 長田 淳<sup>2</sup>

<sup>1</sup>横浜労災病院臨床工学部, <sup>2</sup>横浜労災病院循環器内科

### MPO9-4 クライオバルーン肺静脈隔離術施行時の経頭蓋超音波ドプラ分析：なぜ頭痛が起こる？脳血流変化の検討

海野 貴史<sup>1</sup>, 若狭 伸尚<sup>1</sup>, 伊勢澤 真里子<sup>1</sup>, 関口 芳恵<sup>1</sup>, 蜂谷 仁<sup>2</sup>

<sup>1</sup>総合病院土浦協同病院臨床検査部, <sup>2</sup>総合病院土浦協同病院循環器内科

### MPO9-5 WPW症候群におけるEnsiteXでのOpen Window MappingでDetectionの変更による見え方の差に関する検討

比嘉 諒太<sup>1</sup>, 林 千城<sup>1</sup>, 山田 春海<sup>1</sup>, 林 洋介<sup>2</sup>, 浅野 奏<sup>2</sup>, 福永 寛<sup>2</sup>, 井上 完起<sup>2</sup>, 谷崎 剛平<sup>2</sup>,  
関口 幸夫<sup>2</sup>, 新田 順一<sup>2</sup>, 磯部 光章<sup>2</sup>

<sup>1</sup>榊原記念病院臨床工学科, <sup>2</sup>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 10 デバイス 3

13 : 40 ~ 14 : 40

座長 梅津 努 (筑波大学医学医療系循環器内科/坂根mクリニック)  
岡崎 真紀子 (榊原記念病院)

### MPO10-1 完全左脚ブロックを伴う発作性完全房室ブロックに対し左脚エリアペーシングの有効性を検証した1例

辻本 紘史, 富田 雅之

蘇生会総合病院臨床工学科

### MPO10-2 リードレスペースメーカ留置時に電極カテーテルを用いてペーシング閾値を測定した1例

栗栖 拓也<sup>1</sup>, 嶋谷 祐二<sup>2</sup>, 徳永 政敬<sup>1</sup>, 福井 宏幸<sup>1</sup>, 北里 祐樹<sup>1</sup>, 高垣 南美<sup>1</sup>

<sup>1</sup>東宝塚さとう病院臨床工学科, <sup>2</sup>東宝塚さとう病院循環器内科

### MPO10-3 左脚領域ペーシング(LBBAP)植込み手技における障害電流・左脚電位の周波数特性の検討

角田 峻, 中本 征則

済生会横浜市東部病院臨床工学部

### MPO10-4 Micra™ AVにおける右室拡張末期圧とA3 windowの関連

田中 悠治<sup>1</sup>, 飛田 一樹<sup>2</sup>, 松永 誠吾<sup>1</sup>, 関野 悟史<sup>1</sup>, 鶴野 幸恵<sup>1</sup>, 佐藤 仁哉<sup>1</sup>, 長橋 勇輝<sup>1</sup>, 高橋 賢也<sup>1</sup>,  
満岡 宏介<sup>1</sup>, 森山 典晃<sup>2</sup>, 宍戸 晃基<sup>2</sup>, 村上 正人<sup>2</sup>, 高室 昌司<sup>1</sup>, 齋藤 滋<sup>2</sup>

<sup>1</sup>湘南鎌倉総合病院臨床工学部, <sup>2</sup>湘南鎌倉総合病院循環器内科

### MPO10-5 当院のMicra AVの初期症例における心房センシングベクトルに関する検討

松下 有紀<sup>1</sup>, 福島 基弘<sup>1</sup>, 白崎 頌人<sup>1</sup>, 田中 翔平<sup>1</sup>, 大下 嘉文<sup>1</sup>, 岸本 ひかる<sup>1</sup>, 三宅 弘之<sup>2</sup>, 臼井 幹<sup>2</sup>, 佐田野 悠<sup>2</sup>, 朝原 康介<sup>2</sup>,  
岡 佑一郎<sup>2</sup>, 永禮 和真<sup>2</sup>, 田坂 浩嗣<sup>3</sup>, 吉野 充<sup>3</sup>, 坂田 篤<sup>3</sup>, 茶谷 龍己<sup>3</sup>, 吉田 賢大<sup>3</sup>, 住吉 啓伸<sup>3</sup>, 川畑 徳馬<sup>3</sup>, 門田 一繁<sup>3</sup>

<sup>1</sup>倉敷中央病院.臨床検査技術部, <sup>2</sup>倉敷中央病院.臨床工学部, <sup>3</sup>倉敷中央病院.循環器内科

メディカルプロフェSSIONAL口述演題 11  
デバイス 4

17:30 ~ 18:30

座長 石田 多鶴 (名寄市立総合病院)  
山田 剛士 (川崎幸病院 CE科)

**MPO11-1 デリバリーカテーテルを用いた中隔留置の正確性**

佐生 喬, 富田 雅之, 津曲 佑馬, 高濱 航, 山田 昌子  
三重大学医学部附属病院臨床工学部

**MPO11-2 スイートチップ型スクルーインリード、Screwvine™ の長期安定性に関する検討**

秋山 泰利<sup>1</sup>, 戸叶 隆司<sup>2</sup>, 中川原 詩織<sup>1</sup>, 田中 夏菜<sup>1</sup>, 田所 真彩<sup>1</sup>, 徳永 佳奈<sup>1</sup>, 都丸 雅人<sup>2</sup>, 平林 光紀<sup>2</sup>,  
塩澤 知之<sup>3</sup>, 小田切 史徳<sup>2</sup>, 田淵 晴名<sup>4</sup>, 林 英守<sup>5</sup>, 住吉 正孝<sup>4</sup>, 南野 徹<sup>5</sup>

<sup>1</sup>順天堂大学医学部附属浦安病院臨床工学室, <sup>2</sup>順天堂大学医学部附属浦安病院循環器内科, <sup>3</sup>順天堂大学医学部附属静岡病院循環器内科, <sup>4</sup>順天堂大学医学部附属練馬病院循環器内科, <sup>5</sup>順天堂大学大学院医学研究科循環器内科学講座

**MPO11-3 CRT-D本体交換後に逆伝導によりペースメーカー起因性不整脈を誘発した1例**

吉岡 伸宏<sup>1</sup>, 中本 征則<sup>1</sup>, 森末 明彦<sup>1</sup>, 前田 賢吾<sup>1</sup>, 持倉 翔平<sup>1</sup>, 杉澤 優太<sup>1</sup>, 武田 典明<sup>1</sup>, 近藤 健人<sup>2</sup>  
<sup>1</sup>広島ハートセンター診療技術部, <sup>2</sup>広島ハートセンター循環器内科

**MPO11-4 MRI検査前に問診が不可能な患者の植込み型心臓デバイスは探知機で確認可能か**

徳留 晃<sup>1</sup>, 岡戸 洋介<sup>1</sup>, 堀尾 裕司<sup>1</sup>, 山本 寿彦<sup>2</sup>  
<sup>1</sup>半田市立半田病院放射線技術科, <sup>2</sup>半田市立半田病院循環器内科

**MPO11-5 リードレスペースメーカー(Micra™AV)導入後の房室ブロックに対するペースメーカー選択の推移**

高島 滉平<sup>1</sup>, 林 英守<sup>2</sup>, 大澤 翔太<sup>1</sup>, 浅見 陽介<sup>1</sup>, 岩間 華織<sup>1</sup>, 薄葉 政人<sup>1</sup>, 鈴木 まどか<sup>2</sup>, 飯嶋 賢一<sup>2</sup>,  
黒田 俊介<sup>2</sup>, 木村 友紀<sup>2</sup>, 松本 紘毅<sup>2</sup>, 関田 学<sup>2</sup>, 南野 徹<sup>2</sup>

<sup>1</sup>順天堂大学医学部附属順天堂医院臨床工学室, <sup>2</sup>順天堂大学医学部附属順天堂医院循環器内科

## 第4会場 (1階 107)

## Oral Presentation 34

## Device LLPM1

8 : 30 ~ 9 : 40

Chair Hitoshi Minamiguchi (*Osaka Police Hospital, Japan*)  
 Michio Nagashima (*Kokura Memorial Hospital Department of Cardiology*)

**O34-1 AN ASCENDING AORTIC DIAMETER IS ASSOCIATED WITH THE PROLONGATION OF THE PROCEDURE TIME OF Micra LEADLESS PACEMAKER IMPLANTATION**

Kensuke Yano<sup>1</sup>, Masaya Shinohara<sup>2</sup>, Tomohiko Matsumura<sup>1</sup>, Hosei Kikushima<sup>1</sup>, Ryo Wada<sup>2</sup>, Shintaro Yao<sup>2</sup>, Katsuya Akitsu<sup>2</sup>, Tadashi Fujino<sup>2</sup>, Takanori Ikeda<sup>2</sup>

<sup>1</sup>Toho University, Japan, <sup>2</sup>Toho University Graduate School of Medicine, Japan

**O34-2 PACED QRS MORPHOLOGY INFLUENCED BY THE LEADLESS PACEMAKER IMPLANTATION SITES AND PATIENT CHARACTERISTICS**

Suguru Nishiuchi, Shintaro Yamagami, Ryoma Kawai, Jiro Sakamoto, Keiichiro Yamane, Yodo Tamaki, Soichiro Enomoto, Makoto Miyake, Hirokazu Kondo, Toshihiro Tamura

*Tenri Hospital, Japan*

**O34-3 GERIATRIC NUTRITIONAL RISK INDEX IS ONE OF PREDICT FACTOR ASSOCIATED WITH ALL-CAUSE HOSPITALIZATION EVENTS AT 1 YEAR AFTER LEADLESS PACEMAKER IMPLANTATION**

Shunsuke Kawatani, Masaru Kato, Akihiro Okamura, Takuya Tomomori, Aiko Takami<sup>2</sup>, Kazuhiro Yamamoto

*Tottori University Hospital, Japan, <sup>2</sup>Tottori Prefectural Central Hospital, Japan*

**O34-4 演題は取り下げられました**

**O34-5 FEASIBILITY OF NOVEL ATRIAL MECHANICAL SENSING METHOD FOR LEADLESS ATRIOVENTRICULAR SYNCHRONOUS PACING**

Shuichiro Kazawa, Hidetaka Murakami, Yoshinao Yazaki<sup>2</sup>, Kazuhiro Satomi<sup>2</sup>

*Tokyo Medical University Hachioji Medical Center, Japan, <sup>2</sup>Tokyo Medical University Hospital, Japan*

**O34-6 USEFULNESS AND SAFETY OF LEADLESS PACEMAKER IMPLANTATION AFTER LEAD EXTRACTION FOR INFECTIOUS INDICATION COMPARED WITH TRANS-VENOUS DEVICE IMPLANTATION**

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

*Kokura Memorial Hospital, Japan*

## Oral Presentation 35

## Device LLPM2

9 : 50 ~ 11 : 00

Chair Hidemori Hayashi (*Juntendo University Graduate School of Medicine, Japan*)  
 Kensuke Yano (*Toho University, Japan*)

**O35-1 WIDER QRS BEFORE AND AFTER LEADLESS PACEMAKER IMPLANTATION WERE WORSE PROGNOSTIC PREDICTORS**

Akio Fukui, Ken Watanabe, Katsuaki Takahashi

*Yamagata Prefectural Central Hospital, Japan*

**O35-2 INVESTIGATING PARAMETER FOR MICRA IMPLANTATION IN THE VENTRICULAR MID-SEPTUM**

Misun Pak, Tetsuhisa Hattori, Takashi Yamasaki, Ken Kakita

*Koseikai Takeda Hospital, Japan*

- O35-3 EFFICACY AND SAFETY OF IMPLANTATION USING INDIVIDUALIZED LEFT ANTERIOR OBLIQUE PROJECTION IN LEADLESS PACEMAKER**  
Kazuya Yamao, Akifumi Tanaka, Kento Yabe, Yuichi Ono  
*Ome Municipal General Hospital, Japan*
- O35-4 PACING IMPEDANCE AT IMPLANT IS A USEFUL PREDICTOR OF LONG-TERM PACING THRESHOLD IN LEADLESS PACEMAKER**  
Kazuki Mori, Tomoari Kuriyama, Yukiko Shimizu, Kazuto Kujira, Yukihito Sato  
*Amagasaki General Medical Center, Japan*
- O35-5 ATRIOVENTRICULAR SYNCHRONOUS PACING PERCENTAGE USING Micra AV LEADLESS PACEMAKER IN JAPANESE ELDERLY PATIENTS**  
Hironobu Sumiyoshi, Hiroshi Tasaka, Tokuma Kawabata, Kenta Yoshida, Ryuki Chatani, Atsushi Sakata, Mitsuru Yoshino, Kazushige Kadota  
*Kurashiki Central Hospital, Japan*
- O35-6 DIFFERENCES IN OUTCOMES AFTER LEADLESS PACEMAKER IMPLANTATION BY IMPLANTATION SITE**  
Kenta Yoshida, Tokuma Kawabata, Hironobu Sumiyoshi, Ryuki Chatani, Atsushi Sakata, Mitsuru Yoshino, Hiroshi Tasaka, Kazushige Kadota  
*Kurashiki Central Hospital, Japan*

**Oral Presentation 36**

**AT ABL1**

13 : 40 ~ 14 : 40

Chair Hidehira Fukaya (*Kitasato University, Japan*)

Rintaro Hojo (*Tokyo Metropolitan Hiroo Hospital, Japan*)

**O36-1 THE DIFFERENCES IN CHARACTERISTICS OF ATRIAL TACHYCARDIA AFTER MITRAL VALVE SURGERY AND ATRIAL SEPTAL DEFECT SURGERY**

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

**O36-2 CLINICAL FEATURES OF THE ATRIAL RE-ENTRANT TACHYCARDIA CIRCUITS AFTER OPEN HEART SURGERY**

Honsa Kang, Yasuaki Tsumagari, Miwa Ito, Kengo Ayabe, Keiichi Ashikaga  
*Miyazaki Medical Association Hospital, Japan*

**O36-3 IMPACT OF DIFFERENCES BETWEEN THE ANTEGRADE AND RETROGRADE CONDUCTION TIME IN LEFT ATRIUM FOLLOWING PULMONARY VEIN ISOLATION ON THE INDUCIBILITY AND RECURRENCE OF ATRIAL TACHYCARDIA**

Mitsuru Takami<sup>1</sup>, Ryudo Fujiwara<sup>2</sup>, Atsushi Suzuki<sup>2</sup>, Koji Fukuzawa<sup>1</sup>, Kunihiro Kiuchi<sup>1</sup>, Toshihiro Nakamura<sup>1</sup>, Kazutaka Nakasone<sup>1</sup>, Yusuke Sonoda<sup>1</sup>, Kyoko Yamamoto<sup>1</sup>, Hiroyuki Takahara<sup>1</sup>, Yuya Suzuki<sup>1</sup>, Kenichi Tani<sup>1</sup>, Hidehiro Iwai<sup>1</sup>, Yusuke Nakanishi<sup>1</sup>, Mitsuhiko Shoda<sup>1</sup>, Atsushi Murakami<sup>1</sup>, Shogo Yonehara<sup>1</sup>, Junya Shite<sup>2</sup>, Kenichi Hirata<sup>1</sup>  
<sup>1</sup>*Kobe University Graduate School of Medicine, Japan*, <sup>2</sup>*Osaka Saiseikai Nakatsu Hospital, Japan*

**O36-4 A STRONG ASSOCIATION BETWEEN SINUS VENOSUS AND NON-CTI-DEPENDENT RIGHT ATRIAL MACROREENTRANT TACHYCARDIA WITHOUT PRIOR CARDIAC SURGERY**

Takayuki Kitai, Yuhei Kasai, Junji Morita  
*Sapporo Cardio Vascular Clinic, Japan*

**O36-5 THE DISTANCE FROM THE CAVOTRICUSPID ISTHMUS TO THE RIGHT CORONARY ARTERY IS A PREDICTOR OF FIRST-PASS CONDUCTIONAL BLOCK OF CAVOTRICUSPID ISTHMUS BY CRYOABLATION**

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

**Oral Presentation 37**

**AT ABL2**

15 : 00 ~ 16 : 00

Chair Yasuko Tanabe (*Asahikawa Medical University, Japan*)  
Koichi Nagashima (*Nihon University, Japan*)

- O37-1 DETAILED INVESTIGATION OF THE LESION FORMATION WITH A NOVEL CONTACT FORCE SENSING CATHETER WITH A MESH-SHAPED IRRIGATION TIP**  
Kazuhisa Matsumoto, Hitoshi Mori, Daisuke Kawano, Naomichi Tanaka, Wataru Sasaki, Masataka Narita, Kenta Tsutsui, Yoshifumi Ikeda, Ritsushi Kato  
*Saitama Medical University International Medical Center, Japan*
- O37-2 演題は取り下げられました**
- O37-3 THE EFFECT OF ABLATION SETTINGS ON LESION CHARACTERISTICS WITH DIAMOND TIP ABLATION SYSTEM IN VITRO EXPERIMENTS**  
Takehiro Nomura, Daiki Kumazawa, Manabu Maeda, Yosuke Mizuno, Kosuke Onodera, Kennosuke Yamashita  
*Sendai Kosei Hospital, Japan*
- O37-4 DECELERATION ZONES DETECTED BY ISOCHRONAL LATE ACTIVATION MAPPING PREDICT AT INDUCTION AND CIRCUIT FORMATION AFTER ATRIAL FIBRILLATION ABLATION**  
Keijiro Nakamura<sup>1</sup>, Shintaro Tagachi<sup>1</sup>, Takayuki Shimizu<sup>1</sup>, Yasutake Toyoda<sup>1</sup>, Yoshinari Enomoto<sup>1</sup>, Hidehiko Hara<sup>1</sup>, Kaoru Sugi<sup>2</sup>, Masao Moroi<sup>1</sup>, Masato Nakamura<sup>1</sup>  
<sup>1</sup>*Toho University Ohashi Medical Center, Japan,* <sup>2</sup>*Odawara Cardiovascular Hospital, Japan*
- O37-5 THE CHARACTERISTICS OF ATRIAL TACHYCARDIA AFTER OPEN HEART SURGERY AND MAZE PROCEDURE**  
Shingo Yamamoto, Tatsuya Hayashi, Jumpei Ohashi, Yusuke Ugata, Hideo Fujita  
*Jichi Medical University Saitama Medical Center, Japan*

## Oral Presentation 38

AF2

14 : 50 ~ 16 : 10

Chair Takeshi Tomita (*North Alps Medical Center Azumi Hospital, Japan*)Yoshiyasu Aizawa (*International University of Health and Welfare Atami Hospital, Japan*)

- O38-1 PREDICTORS OF MAINTENANCE OF SINUS RHYTHM AFTER RADIOFREQUENCY CATHETER ABLATION FOR LONG-STANDING PERSISTENT ATRIAL FIBRILLATION**  
Kohei Ukita, Yasuyuki Egami, Akito Kawamura, Koji Yasumoto, Masaki Tsuda, Naotaka Okamoto, Yasuharu Matsunaga-lee, Masamichi Yano, Masami Nishino  
*Osaka Rosai Hospital, Japan*
- O38-2 PREVALENCE OF ATRIOVENTRICULAR CONDUCTION DISTURBANCE AFTER ABLATION OF PERSISTENT ATRIAL FIBRILLATION**  
Akio Chikata<sup>1</sup>, Takeshi Kato<sup>2</sup>, Kazuo Usuda<sup>1</sup>, Shuhei Fujita<sup>1</sup>, Kanichi Otowa<sup>1</sup>, Michiro Maruyama<sup>1</sup>, Toyonobu Tsuda<sup>2</sup>, Kenshi Hayashi<sup>2</sup>, Masayuki Takamura<sup>2</sup>  
<sup>1</sup>*Toyama Prefectural Central Hospital, Japan,* <sup>2</sup>*Kanazawa University Graduate School of Medical Science, Japan*
- O38-3 AGE-STRATIFIED COMPARISON OF THE DISTRIBUTION OF NON-PULMONARY VEIN TRIGGERS AND THE OUTCOMES OF CATHETER ABLATION IN PATIENTS WITH ATRIAL FIBRILLATION**  
Shinichi Tachibana<sup>1,2</sup>, Yasuaki Tanaka<sup>1</sup>, Naohiko Kawaguchi<sup>1</sup>, Emiko Nakashima<sup>1</sup>, Katsumasa Takagi<sup>1</sup>, Kenji Okubo<sup>1</sup>, Atsushi Takahashi<sup>1</sup>, Tetsuo Sasano<sup>3</sup>  
<sup>1</sup>*Yokosuka Kyosai Hospital, Japan,* <sup>2</sup>*Saitama Red Cross Hospital, Japan,* <sup>3</sup>*Tokyo Medical and Dental University Hospital, Japan*
- O38-4 IMPACT OF NUTRITIONAL STATUS IN ELDERLY PATIENTS AFTER CATHETER ABLATION FOR ATRIAL FIBRILLATION**  
Kiu Tanaka<sup>1,2</sup>, Fumika Nomoto<sup>1</sup>, Toshifumi Takamatsu<sup>1</sup>, Tadashi Itagaki<sup>1</sup>, Tomoaki Mochidome<sup>1</sup>, Toshio Kasai<sup>1</sup>, Uichi Ikeda<sup>1</sup>, Toshinori Komatsu<sup>2</sup>, Hideki Kobayashi<sup>2</sup>, Yasutaka Oguchi<sup>2</sup>, Ayako Okada<sup>2</sup>, Morio Shoda<sup>2</sup>, Koichiro Kuwahara<sup>2</sup>  
<sup>1</sup>*Nagano Municipal Hospital, Japan,* <sup>2</sup>*Shinshu University, Japan*
- O38-5 ANALYSIS OF FACTORS AFFECTING 5-YEAR OUTCOME AFTER CATHETER ABLATION OF PAROXYSMAL ATRIAL FIBRILLATION**  
Akira Sato, Kentaro Nakata, Toshiki Michishita, Yuhei Isonaga, Toshikazu Kono, Hiroaki Ohya, Takamitsu Takagi, Yukihiro Inamura, Osamu Inaba  
*Saitama Red Cross Hospital, Japan*
- O38-6 OUTCOME OF SINUS RHYTHM MAINTENANCE DURING CATHETER ABLATION IN PATIENTS WITH PERSISTENT OR LONGSTANDING ATRIAL FIBRILLATION**  
Hiroto Sugiyama, Tatsuya Onuki, Hiroshi Mase, Ayumi Omura, Hiroshi Suzuki  
*Showa University Fujigaoka Hospital, Japan*
- O38-7 SAFETY AND EFFICACY OF DIAMONDTEMP ABLATION (DTA) VERSUS CONVENTIONAL NON-CONTACT IRRIGATED RADIOFREQUENCY ABLATION (RFA) IN ATRIAL FIBRILLATION**  
Shunichi Higashiya, Masaya Sano, Hirosuke Yamaji, Takashi Murakami, Shigeshi Kamikawa, Masaaki Murakami, Kazuyoshi Hina  
*Okayama Heart Clinic, Japan*



第6会場 (1階 104+105)

Oral Presentation 39

遺伝子関連 リスク評価

9 : 40 ~ 10 : 50

Chair Takeshi Aiba (*National Cerebral and Cardiovascular Center, Japan*)  
Yoshiaki Kato (*National Cerebral and Cardiovascular Center, Japan*)

**O39-1 CLINICAL DIVERSITY OF LONG QT SYNDROME TYPE8: TIMOTHY SYNDROME IS NO LONGER POOR OUTCOME**

Megumi Fukuyama<sup>1</sup>, Seiko Ohno<sup>2</sup>, Junichi Ozawa<sup>3</sup>, Koichi Kato<sup>1</sup>, Keiko Sonoda<sup>2</sup>, Takeru Makiyama<sup>4</sup>, Minoru Horie<sup>1</sup>, Yoshihisa Nakagawa<sup>1</sup>

<sup>1</sup>Shiga University of Medical Science, Japan, <sup>2</sup>National Cerebral and Cardiovascular Center, Japan, <sup>3</sup>Niigata University Graduate School of Medical and Dental Sciences, Japan, <sup>4</sup>Kyoto University Graduate School of Medicine, Japan

**O39-2 RISK ASSESSMENT OF SUDDEN UNEXPLAINED DEATH IN YOUNG PEOPLE: ANALYSIS OF AUTOPSY CASES WITH ELECTROCARDIOGRAM AND GENETIC TEST**

Yoshiaki Yamaguchi<sup>1</sup>, Yukiko Hata<sup>2</sup>, Tamotsu Sakamoto<sup>1</sup>, Koichi Mizumaki<sup>3</sup>, Naoki Nishida<sup>2</sup>

<sup>1</sup>Saiseikai Takaoka Hospital, Japan, <sup>2</sup>University of Toyama Graduate School of Medicine and Pharmaceutical Science, Japan, <sup>3</sup>Alpen Murotani Clinic, Japan

**O39-3 CLINICAL IMPLICATIONS OF SCN5A MISSENSE AND TRUNCATION VARIANTS IN BRUGADA SYNDROME AND CARDIAC CONDUCTION DISEASES**

Takanori Aizawa<sup>1</sup>, Takeru Makiyama<sup>1</sup>, Tomohiko Imamura<sup>1</sup>, Gingshan Gao<sup>1</sup>, Hai Huang<sup>1</sup>, Megumi Fukuyama<sup>2</sup>, Keiko Sonoda<sup>3</sup>, Koichi Kato<sup>2</sup>, Seiko Ohno<sup>3</sup>, Wataru Ono<sup>1</sup>, Minoru Horie<sup>2</sup>

<sup>1</sup>Kyoto University Graduate School of Medicine, Japan, <sup>2</sup>Shiga University of Medical Science, Japan, <sup>3</sup>National Cerebral and Cardiovascular Center, Japan

**O39-4 LONG-TERM FOLLOW-UP OUTCOMES IN BRUGADA SYNDROME**

Kohei Sawasaki, Kazuki Ito, Yusuke Shirai, Natsuko Hosoya, Junji Arai, Shinya Fujita, Masahiro Muto  
Hamamatsu Medical Center, Japan

**O39-5 GENOME WIDE ASSOCIATION STUDY FOR TACHYCARDIA-INDUCED CARDIOMYOPATHY CAUSED BY ATRIAL FIBRILLATION IN JAPANESE POPULATION**

Motoki Furutani<sup>1,2</sup>, Sho Okamura<sup>1</sup>, Koichi Ozaki<sup>2</sup>, Yukiko Nakano<sup>1</sup>

<sup>1</sup>Hiroshima University Hospital, Japan, <sup>2</sup>National Center for Geriatrics and Gerontology, Japan

**O39-6 CHANGES OF EPICARDIAL UNIPOLAR POTENTIALS AT RIGHT VENTRICULAR INFERIOR REGION IN BRUGADA SYNDROME BEFORE AND AFTER ADMINISTRATION OF PILSICAINIDE**

Ryota Yamauchi, Yasuya Iden, Kei Hiramatsu, Noriyuki Suzuki, Naoki Tsurumi, Ryo Watanabe, Masafumi Shimojo, Kazumasa Suga, Satoshi Yanagisawa, Yukiomi Tsuji, Rei Shibata, Toyoaki Murohara  
Nagoya University Hospital, Japan

**Oral Presentation 40**

**AF3**

11 : 00 ~ 12 : 10

Chair Tomonori Watanabe (*Jichi Medical University, Japan*)  
Jun Nakajima (*Tokyo Metropolitan Toshima Hospital, Japan*)

**O40-1 PREDICTORS OF LEFT ATRIAL TACHYCARDIAS ASSOCIATED WITH ATRIAL FIBRILLATION ABLATION: COMPARISON BETWEEN LEFT AND RIGHT ATRIAL TACHYCARDIA CHARACTERISTICS**

Takehito Sasaki, Kohki Nakamura, Hideyuki Aoki, Ryoya Takizawa, Kohki Kimura, Yumiko Haraguchi, Shingo Yoshimura, Yosuke Nakatani, Yuko Miki, Koji Goto, Yutaka Take, Kenichi Kaseno, Shigeto Naito  
Gunma Prefectural Cardiovascular Center, Japan

**O40-2 WHERE IS THE ORIGIN OF AUTOMATICITY TRIGGERING ATRIAL FIBRILLATION: A VOLTAGE MAP-BASED ANALYSIS**

Shu Hirata, Koichi Nagashima, Masanari Sawada, Moyuru Hirata, Yuji Wakamatsu, Ryuta Watanabe, Satoshi Hayashida, Sayaka Kurokawa, Yasuo Okumura  
Nihon University Itabashi Hospital, Japan

**O40-3 EFFICACY AND SAFETY OF A PUNCTURE SITE HEMOSTATIC DEVICE FOR CATHETER ABLATION OF ATRIAL FIBRILLATION**

Yasuhiro Sasaki, Atsushi Kobori  
Kobe City Medical Center General Hospital, Japan

**O40-4 LOCAL CONDUCTION VELOCITY MEASURED WITH OMNIPOLAR TECHNOLOGY IS ASSOCIATED WITH FRACTIONATION OF THE LOCAL POTENTIAL IN PATIENTS WITH ATRIAL FIBRILLATION**

Rintaro Hojo, Seiya Komine, Taku Kanzaki, Masataka Sunagawa, Wataru Tsuno, Yoshiaki Mizunuma, Takafumi Sasaki, Koichiro Yamaoka, Hirofumi Kujiraoka, Tomoyuki Arai, Dai Inagaki, Kiyotaka Yoshida, Takashi Kimura, Masao Takahashi, Takaaki Tsuchiyama, Seiji Fukamizu  
Tokyo Metropolitan Hiroo Hospital, Japan

**O40-5 QUALITY OF LIFE IN PATIENTS WHO REQUIRED RE-DO ABLATION PROCEDURE WAS INFERIOR TO 1ST ABLATION PROCEDURE**

Kazuhiro Naito, Yasushi Suzuki, Shimpei Kuno, Tetsuya Amano  
Aichi Medical University, Japan

**O40-6 DIFFERENTIATING PATIENTS WITH GOOD RHYTHM OUTCOMES AMONG THOSE WITH GIANT LEFT ATRIUM**

Ayako Sugino, Yasuhiro Matsuda, Masaharu Masuda, Takuya Tsujimura, Hiroyuki Uematsu, Naoko Higashino, Takashige Sakio, Hiroataka Ooka, Satoshi Kudo, Subaru Fujii, Toshiaki Mano  
Kansai Rosai Hospital, Japan

**Oral Presentation 41**

**Basic その他**

13 : 40 ~ 14 : 40

Chair Koji Fukuzawa (*Kobe University Graduate School of Medicine, Japan*)  
Tomoya Ozawa (*Shiga University of Medical Science, Japan*)

- O41-1 POSSIBLE ANISOTROPY-BASED DIRECTIVITY IN EAD-INDUCED TRIGGERED ACTIVITY THAT LEADS TO REENTRANT TACHYARRHYTHMIAS**  
Kunichika Tsumoto<sup>1</sup>, Takao Shimamoto<sup>2</sup>, Yuma Aoji<sup>2</sup>, Yukiko Himeno<sup>2</sup>, Akira Amano<sup>2</sup>, Yasutaka Kurata<sup>1</sup>  
<sup>1</sup>Kanazawa Medical University, Japan, <sup>2</sup>Ritsumeikan University, Japan
- O41-2 RELATIONSHIP BETWEEN ATRIAL LYMPHATICS AND ATRIAL MYOCARDIAL FIBROSIS IN PATIENTS WITH ATRIAL FIBRILLATION**  
Masaki Takahashi, Ichitaro Abe, Hirochika Yamasaki, Taisuke Harada, Masayuki Takano, Hidekazu Kondo, Yasushi Teshima, Shinji Miyamoto, Naohiko Takahashi  
Oita University, Japan
- O41-3 STABILIZED ROTORS OBSERVED BY GLOBAL COOLING CORRESPONDS TO THE HIGHEST DOMINANT FREQUENCY AREA IN CHOLINERGIC ATRIAL FIBRILLATION**  
Yoshio Takemoto<sup>1</sup>, Rafael Ramirez<sup>2</sup>, Oscar Salvador-montanes<sup>2</sup>, Sergey Mironov<sup>2</sup>, Sicong Wang<sup>2</sup>, José Jalife<sup>2</sup>, Omer Berenfeld<sup>2</sup>  
<sup>1</sup>Gihu Prefectural Tajimi Hospital, Japan, <sup>2</sup>University of Michigan, USA
- O41-4 MYOCARDIAL HYPOXIA BY HEMORRHAGIC SHOCK INDUCES LETHAL ARRHYTHMIAS THROUGH HYPOXIA-RELATED SODIUM CHANNEL: ARTIFICIAL OXYGEN CARRIER'S EFFECT AND OPTICAL MAPPING ANALYSIS**  
Bonpei Takase<sup>1,2</sup>, Yuko Higashimura<sup>2</sup>, Katsumi Hayashi<sup>1</sup>, Tetsuya Hisada<sup>1</sup>, Nobuyuki Masaki<sup>2</sup>, Masayuki Nagata<sup>1</sup>, Manabu Kinoshita<sup>2</sup>, Hiromi Sakai<sup>3</sup>  
<sup>1</sup>Iruma Heart Hospital, Japan, <sup>2</sup>National Defense Medical College, Japan, <sup>3</sup>Nara Medical University, Japan
- O41-5 SIGNIFICANCE OF THE VOLUME OF EPICARDIAL ADIPOSE TISSUE IN PATIENTS WITH TRANSTHYRETIN CARDIAC AMYLOIDOSIS**  
Kazuki Mitarai, Hidekazu Kondo, Kei Hirota, Akira Fukui, Tetsuji Shinohara, Naohiko Takahashi  
Oita University Hospital, Japan

Oral Presentation 42

PVC ABL

15 : 00 ~ 16 : 00

Chair Hiroya Mizuno (*Nishitenma Clinic, Japan*)  
Yuki Komatsu (*University of Tsukuba Hospital, Japan*)

**O42-1 LOCAL POTENTIAL AT PREMATURE VENTRICULAR CONTRACTIONS ORIGIN SITE IN SINUS RHYTHM**

Yuta Taomoto<sup>1</sup>, Yasutoshi Nagata<sup>1</sup>, Tomoki Horie<sup>1</sup>, Masakazu Kaneko<sup>1</sup>, Toshihiro Nozato<sup>1</sup>, Takashi Ashikaga<sup>1</sup>, Tetsuo Sasano<sup>2</sup>

<sup>1</sup>Japanese Red Cross Musashino Hospital, Japan, <sup>2</sup>Tokyo Medical and Dental University Hospital, Japan

**O42-2 USEFULNESS OF THE R/QR INDEX IN V9 LEAD TO PREDICT SUMMIT-ORIGIN PREMATURE VENTRICULAR CONTRACTION**

Kanako Ito-hagiwara<sup>1</sup>, Yu-ki Iwasaki<sup>1</sup>, Nobuaki Ito<sup>1</sup>, Toshiki Arai<sup>1</sup>, Serina Kobayashi<sup>1</sup>, Masato Hachisuka<sup>1</sup>, Yuhi Fujimoto<sup>1</sup>, Eiichiro Oka<sup>2</sup>, Hiroshi Hayashi<sup>1</sup>, Hiroshige Murata<sup>1</sup>, Kenji Yodogawa<sup>1</sup>, Wataru Shimizu<sup>3</sup>, Kuniya Asai<sup>1</sup>

<sup>1</sup>Nippon Medical School, Japan, <sup>2</sup>Nippon Medical School Musashikosugi Hospital, Japan, <sup>3</sup>Nippon Medical School Tamanagayama Hospital, Japan

**O42-3 SPATIAL DIFFERENCES BETWEEN MAPPINGS OF EARLIEST SITES USING UNIPOLAR-BASED AND BIPOLAR-BASED ANNOTATIONS IN ABLATION FOR PREMATURE VENTRICULAR CONTRACTION**

Takahiko Nagase, Chiyo Yoshino, Yoshinori Yoshida, Takahisa Tanaka, Mitsunori Ishino, Ryuichi Kato, Masao Kuwata

Higashiyamato Hospital, Japan

**O42-4 DIFFERENCES BETWEEN THE UNIPOLAR VERSUS BIPOLAR POTENTIAL-BASED ACTIVATION MAPS OF VENTRICULAR PREMATURE CONTRACTIONS ARISING FROM VENTRICULAR OUTFLOW TRACTS**

Yoshimori An<sup>1</sup>, Koji Higuchi<sup>2</sup>, Jakob Sroubek<sup>2</sup>

<sup>1</sup>Saiseikai Noe Hospital, Japan, <sup>2</sup>Cleveland Clinic, USA

**O42-5 CATHETER ABLATION OF VENTRICULAR ARRHYTHMIAS ORIGINATING FROM THE PARA-HISIAN REGION WITH REVERSED C-CURVE TECHNIQUE**

Tomomichi Suzuki, Akio Monji, Tasuku Kuwayama, Seiichi Hayakawa, Masaya Kimura, Mitsuyasu Makino

Nishichita General Hospital, Japan

第9会場 (2階 206)

Oral Presentation 43  
AF substrate1

英語セッション (一部もしくはすべてスライド・発表ともに英語)

9 : 40 ~ 10 : 40

Chair Koichiro Ejima (*Minamino Cardiovascular Hospital, Japan*)  
Susumu Tao (*Tokyo Medical and Dental University, Japan*)

**O43-1 ELECTROPHYSIOLOGIC CHARACTERISTICS OF FRACTIONATED SIGNAL AREA IN ATRIAL MUSCLE (FAAM) IN PATIENTS WITH RECURRED ATRIAL FIBRILLATION**

Takaaki Hashimoto, Norishige Morita, Daisuke Fujibayashi, Yoshinori Kobayashi  
*Tokai University Hachioji Hospital, Japan*

**O43-2 FAAM ABLATION FOR RECURRENT REFRACTORY ATRIAL FIBRILLATION THAT COULD NOT BE TREATED AT OTHER HOSPITALS**

Yohei Sadohara, Kenichi Hiroshima, Komei Onuki, Maiko Kuroda, Hiroyuki Kono, Tomonori Katsuki, Rei Kuji, Kengo Korai, Masato Fukunaga, Michio Nagashima, Kenji Ando  
*Kokura Memorial Hospital, Japan*

**O43-3 ULTRASTRUCTURAL FEATURES OF ATRIAL BIOPSY SAMPLES IN PATIENTS WITH ATRIAL FIBRILLATION**

Yuya Takahashi<sup>1</sup>, Takanori Yamaguchi<sup>1</sup>, Toyokazu Otsubo<sup>1</sup>, Kana Nakashima<sup>1</sup>, Kodai Shinzato<sup>1</sup>, Ryosuke Osako<sup>1</sup>, Shigeki Shichida<sup>1</sup>, Yuki Kawano<sup>2</sup>, Akira Fukui<sup>3</sup>, Atsushi Kawaguchi<sup>1</sup>, Shinichi Aishima<sup>1</sup>, Tsunenori Saito<sup>4</sup>, Naohiko Takahashi<sup>3</sup>, Koichi Node<sup>1</sup>  
*Saga University, Japan, <sup>2</sup>Saiseikai Futsukaichi Hospital, Japan, <sup>3</sup>Oita University, Japan, <sup>4</sup>Nippon Medical School Tamanagayama Hospital, Japan*

**O43-4 RELATION BETWEEN THE EXTENT OF LEFT ATRIAL LOW VOLTAGE AREA AND INTERNAL ATRIAL CONDUCTION TIME**

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

**O43-5 EARLY DETECTION OF CARDIAC AMYLOIDOSIS BY RIGHT ATRIAL ENDOMYOCARDIAL BIOPSY IN PATIENTS WITH ATRIAL FIBRILLATION**

Toyokazu Otsubo<sup>1</sup>, Takanori Yamaguchi<sup>1</sup>, Yuya Takahashi<sup>1</sup>, Kana Nakashima<sup>1</sup>, Shigeki Shichida<sup>1</sup>, Kodai Shinzato<sup>1</sup>, Ryosuke Osako<sup>1</sup>, Motoko Hirai<sup>1</sup>, Akira Fukui<sup>2</sup>, Shinichi Aishima<sup>1</sup>, Naohiko Takahashi<sup>2</sup>, Koichi Node<sup>1</sup>  
*<sup>1</sup>Saga University, Japan, <sup>2</sup>Oita University, Japan*

**Oral Presentation 44**  
**non invasive 心電学**

英語セッション（一部もしくはすべてスライド・発表ともに英語）

11:00 ~ 12:00

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Chair Yuji Kasamaki (*Kanazawa Medical University Himi Municipal Hospital, Japan*)  
Mari Amino (*Tokai University, Japan*)

- O44-1 USEFULNESS OF A NOVEL ALGORITHM OF ANALYZING HOLTER ECGs TO EVALUATE THE CHILDREN WITH SINUS NODE DYSFUNCTION AFTER FONTAN SURGERY**  
Taisuke Nabeshima, Koichi Toda, Takuro Kojima, Shigeki Yoshida, Toshiki Kobayashi, Kenta Tsutsui, Hitoshi Mori, Naokata Sumitomo  
*Saitama Medical University, International Medical Center, Japan*
- O44-2 T WAVE ALTERNANS : WHERE ARE WE NOW IN 2023?**  
Alexander Edo Tondas<sup>1</sup>, Muhammad Syahrul Ramadhan<sup>1</sup>, Ilaria Marcantoni<sup>2</sup>, Laura Burattini<sup>2</sup>  
<sup>1</sup>Mohammad Hoesin General Hospital, Indonesia, <sup>2</sup>Università Politecnica delle Marche, Italy
- O44-3 AGE-RELATED REFERENCE VALUES OF ARRHYTHMIAS DETECTED BY AMBULATORY ELECTROCARDIOGRAPHY IN HEALTHY SUBJECTS**  
Kenichi Hashimoto<sup>1</sup>, Naomi Harada<sup>1</sup>, Motohiro Kimata<sup>1</sup>, Yusuke Kawamura<sup>1</sup>, Tadateru Takayama<sup>2</sup>, Yuji Kasamaki<sup>3</sup>  
<sup>1</sup>National Defense Medical College, Japan, <sup>2</sup>Nihon University, Japan, <sup>3</sup>Kanazawa Medical College Himi Municipal Hospital, Japan
- O44-4 EFFECTIVENESS OF LONGER AMBULATORY ECG MONITORING TO ASSESS RANGE OF DAILY PVC BURDEN**  
Minako Ohara<sup>1</sup>, Takahisa Noma<sup>1</sup>, Masaki Takeuchi<sup>2</sup>, Yoji Shiraishi<sup>2</sup>, Seiji Moriya<sup>1</sup>, Ryosuke Tani<sup>1</sup>, Tomoko Inoue<sup>1</sup>, Yu Ishihara<sup>1</sup>, Keiji Matsunaga<sup>1</sup>, Makoto Ishizawa<sup>1</sup>, Kaori Ishikawa<sup>1</sup>, Tetsuo Minamino<sup>1</sup>  
<sup>1</sup>Kagawa University, Japan, <sup>2</sup>Kagawa University Hospital, Japan
- O44-5 EFFECTS OF PULMONARY VEIN ISOLATION ON SKIN SYMPATHETIC NERVE ACTIVITY IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**  
Yoichiro Nakagawa, Takashi Kusayama, Yuta Nagamori, Shuhei Iwaisako, Toyonobu Tsuda, Takeshi Kato, Soichiro Usui, Kenji Sakata, Kenshi Hayashi, Masayuki Takamura  
*Kanazawa University Hospital, Japan*

Oral Presentation 45

AF substrate2

13 : 40 ~ 14 : 50

Chair Itsuro Morishima (*Ogaki Municipal Hospital, Japan*)  
Takashi Kaneshiro (*Fukushima Medical University, Japan*)

- O45-1 IMPACT OF BLOOD PRESSURE VARIABILITY ON ELECTRICAL AND STRUCTURAL LEFT ATRIAL REMODELING AND LONG-TERM OUTCOME AFTER PULMONARY VEIN ISOLATION FOR ATRIAL FIBRILLATION**  
Tomonori Watanabe, Hitoshi Hachiya, Hiroaki Watanabe, Masashi Kamioka, Hisaki Makimoto, Ayako Yokota, Takahiro Komori, Tomoyuki Kabutoya, Satoshi Hoshide, Yasushi Imai, Kazuomi Kario  
*Jichi Medical University, Japan*
- O45-2 TIME-COURSE CHANGE IN LEFT ATRIAL MECHANICAL FUNCTION IN PERSISTENT ATRIAL FIBRILLATION PATIENTS UNDERGOING CATHETER ABLATION**  
Yoshihiro Nomura, Masahide Harada, Kunihiko Sugimoto, Asuka Nishimura, Yuji Motoike, Masayuki Koshikawa, Hideo Izawa  
*Fujita Health University, Japan*
- O45-3 WHOLE EXIT PACING IN THE POSTERIOR WALL SCAR AREA AFTER POSTERIOR WALL ISOLATION**  
Hitomi Yuzawa<sup>1</sup>, Toshio Kinoshita<sup>2</sup>, Haruki Sugiyama<sup>1</sup>, Shun Kitamura<sup>1</sup>, Toshinaru Kawakami<sup>1</sup>, Hideaki Nonaka<sup>1</sup>, Masahiro Sekiguchi<sup>1</sup>, Taiki Ishizawa<sup>1</sup>, Yu Horiuchi<sup>1</sup>, Masaya Shinohara<sup>3</sup>, Masahiko Asami<sup>1</sup>, Kazuyuki Yahagi<sup>1</sup>, Kota Komiyama<sup>1</sup>, Jun Tanaka<sup>1</sup>, Jiro Aoki<sup>1</sup>, Kengo Tanabe<sup>1</sup>, Takanori Ikeda<sup>4</sup>  
<sup>1</sup>Mitsui Memorial Hospital, Japan, <sup>2</sup>Toho University Sakura Medical Center, Japan, <sup>3</sup>Toho University, Japan, <sup>4</sup>Toho University Graduate School of Medicine, Japan
- O45-4 EFFICACY OF DRIVER-GUIDED CATHETER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION USING RHYTHMIA MAPPING SYSTEM**  
Yosuke Murase, Yasuhiro Ogawa, Hajime Imai, Naoaki Kano, Keita Mamiya, Tomoyo Ikeda, Kiichi Miyamae, Shinji Yamazoe, Jun Torii, Kazuyuki Yamanaka, Toshimasa Kato, Kenta Kawaguchi, Mio Yamaguchi, Katsuhiro Kawaguchi  
*Komaki City Hospital, Japan*
- O45-5 PATIENTS CHARACTERISTICS OF THE PATIENTS WITH VERY LONGSTANDING ATRIAL FIBRILLATION UNDERWENT CATHETER ABLATION TO MAINTAIN SINUS RHYTHM**  
Ken Umetani, Keita Sano, Toshiaki Yano  
*Yamanashi Prefectural Central Hospital, Japan*
- O45-6 EFFECTS OF ADDITIONAL LA POSTERIOR WALL ABLATION IN CASE OF PERSISTENT ATRIAL FIBRILLATION WITH LOW VOLTAGE AREA IN LA POSTERIOR WALL DURING ATRIAL FIBRILLATION**  
Haruna Tabuchi<sup>1</sup>, Hidemori Hayashi<sup>2</sup>, Gaku Sekita<sup>2</sup>, Masataka Sumiyoshi<sup>1</sup>, Kikuo Isoda<sup>1</sup>, Tohru Minamino<sup>2</sup>  
<sup>1</sup>Juntendo University Nerima Hospital, Japan, <sup>2</sup>Juntendo University Graduate School of Medicine, Japan

Oral Presentation 46

AF substrate3

15 : 00 ~ 16 : 00

Chair Masaomi Kimura (*Hirosaki University, Japan*)  
Hitomi Yuzawa (*Mitsui Memorial Hospital, Japan*)

- O46-1 SPEED SCORE MORE ACCURATELY PREDICTS LEFT ATRIAL LOW-VOLTAGE AREAS THAN OTHER RISK SCORES IN JAPANESE ATRIAL FIBRILLATION PATIENTS: AN ANALYSIS IN THE VALIDATION COHORT**  
Yasuhiro Matsuda, Masaharu Masuda, Takuya Tsujimura, Hiroyuki Uematsu, Naoko Higashino, Takashige Sakio, Ayako Sugino, Hiroataka Ooka, Satoshi Kudo, Subaru Fujii, Toshiaki Mano  
*Kansai Rosai Hospital, Japan*
- O46-2 ASSOCIATION BETWEEN BIPOLAR/UNIPOLAR VOLTAGES AND ACTIVATIONS OF RIGHT PULMONARY VEIN CARINA REGION IN PATIENTS WITH EPICARDIAL CONNECTION**  
Takashi Kaneshiro, Takeshi Nehashi, Minoru Nodera, Shinya Yamada, Yasuchika Takeishi  
*Fukushima Medical University, Japan*
- O46-3 THE EFFECT OF LIVER FIBROSIS-4 INDEX ON ARRHYTHMIA RECURRENCE AFTER CATHETER ABLATION FOR ATRIAL FIBRILLATION IN PATIENTS WITH HEART FAILURE**  
Tomoya Iwawaki, Itsuro Morishima, Yasunori Kanzaki, Yasuhiro Morita, Hiroyuki Miyazawa, Naoki Watanabe, Naoki Yoshioka, Naoki Shibata, Yoshihito Arao, Kazuki Shimojo, Takuma Oi, Hiroki Goto, Hoshito Karasawa, Yuta Nakagawa  
*Ogaki Municipal Hospital, Japan*
- O46-4 EXTENSIVE ABLATION STRATEGY FOR PERSISTENT ATRIAL FIBRILLATION REDUCES LEFT ATRIAL FUNCTION BUT IMPROVE SUCCESS RATE: POST-HOC SUB-ANALYSIS OF THE EARNEST-PVI TRIAL**  
Takafumi Oka<sup>1</sup>, Yasushi Koyama<sup>2</sup>, Nobuaki Tanaka<sup>2</sup>, Masaharu Masuda<sup>3</sup>, Tetsuya Watanabe<sup>4</sup>, Koichi Inoue<sup>5</sup>, Akihiro Sunaga<sup>1</sup>, Shungo Hikoso<sup>1</sup>, Yasushi Sakata<sup>1</sup>  
<sup>1</sup>Osaka University Graduate School of Medicine, Japan, <sup>2</sup>Sakurabashi Watanabe Hospital, Japan, <sup>3</sup>Kansai Rosai Hospital, Japan, <sup>4</sup>Osaka General Medical Center, Japan, <sup>5</sup>NHO Osaka National Hospital, Japan
- O46-5 HISTOLOGICAL FACTORS ASSOCIATED WITH ATRIAL TACHYARRHYTHMIA RECURRENCE AFTER ATRIAL FIBRILLATION ABLATION: ANALYSIS OF THE HEAL-AF STUDY**  
Kodai Shinzato<sup>1</sup>, Takanori Yamaguchi<sup>1</sup>, Yuya Takahashi<sup>1</sup>, Toyokazu Otsubo<sup>1</sup>, Ryosuke Osako<sup>1</sup>, Shigeki Shichida<sup>1</sup>, Yuki Kawano<sup>3</sup>, Akira Fukui<sup>2</sup>, Atsushi Kawaguchi<sup>1</sup>, Shinichi Aishima<sup>1</sup>, Naohiko Takahashi<sup>2</sup>, Koichi Node<sup>1</sup>  
<sup>1</sup>Saga University, Japan, <sup>2</sup>Oita University, Japan, <sup>3</sup>Saiseikai Futsukaichi Hospital, Japan



第10会場 (2階 207)

メディカルプロフェッショナル口述演題 13  
デバイス6

8:30 ~ 9:30

座長 福井 昭男 (山形県立中央病院循環器内科)  
杉浦 裕之 (日本赤十字社愛知医療センター名古屋第二病院臨床工学科)

**MPO13-1 当院における左脚エリアペーシングの成績**

宗 大輔<sup>1</sup>, 尾辻 真矢<sup>1</sup>, 泉 雄介<sup>1</sup>, 三浦 和真<sup>1</sup>, 吉田 京太郎<sup>1</sup>, 久野 晋平<sup>2</sup>, 内藤 千裕<sup>2</sup>, 鈴木 靖司<sup>2</sup>  
<sup>1</sup>愛知医科大学病院臨床工学科, <sup>2</sup>愛知医科大学病院循環器内科

**MPO13-2 左脚領域ペーシング(LBBAP)を用いた心室再同期療法(LOT-CRT)の頻拍設定により作動遅延を起こした1例。**

藤井 洵希<sup>1</sup>, 逸見 隆太<sup>2</sup>, 神谷 典男<sup>1</sup>, 富田 聡子<sup>1</sup>, 清水 奎太<sup>1</sup>, 北本 憲久<sup>1</sup>, 杉浦 亮<sup>2</sup>  
<sup>1</sup>聖隷浜松病院臨床工学科, <sup>2</sup>聖隷浜松病院循環器内科

**MPO13-3 WATCHMAN留置時にST変化、血圧低下を認めた症例**

安藤 鉄弥<sup>1</sup>, 佐藤 尚<sup>1</sup>, 富樫 大輔<sup>2</sup>, 原田 智雄<sup>2</sup>  
<sup>1</sup>聖マリアンナ医科大学病院クリニカルエンジニア部, <sup>2</sup>聖マリアンナ医科大学病院循環器内科

**MPO13-4 補助人工心臓血液ポンプの磁気が皮下植込み型除細動器のセンシングに影響を与えた1例**

千田 温<sup>1</sup>, 熊丸 隆司<sup>1</sup>, 坂本 健太郎<sup>1</sup>, 高田 佳世<sup>1</sup>, 平川 晋也<sup>1</sup>, 古川 倫与<sup>1</sup>, 米澤 孝典<sup>1</sup>, 大久保 政彦<sup>1</sup>,  
柳下 大悟<sup>2</sup>, 矢崎 恭一郎<sup>2</sup>, 片岡 翔平<sup>2</sup>, 長谷川 瞬<sup>2</sup>, 金井 美和<sup>2</sup>, 庄田 守男<sup>2</sup>  
<sup>1</sup>東京女子医科大学病院臨床工学科, <sup>2</sup>東京女子医科大学病院循環器内科

**MPO13-5 術中のリード抵抗値の複数回計測により、リード被膜破損を発見できた1例**

千葉 晶奈, 根津 知行, 矢崎 義直, 寺澤 無量, 楠目 宝大, 高田 康之, 大西 将史, 岡野 智也, 里見 和浩  
東京医科大学病院循環器内科・不整脈センター

**Oral Presentation 47**  
**AF Thrombosis1**

13 : 40 ~ 14 : 40

Chair Shinya Suzuki (*The Cardiovascular Institute, Japan*)  
Ikutaro Nakajima (*St. Marianna University School of Medicine, Japan*)

- O47-1 RELATIONSHIP BETWEEN LEFT ATRIAL VORTEX ASSESSED BY 4D FLOW CARDIAC MAGNETIC RESONANCE AND STROKE RISK IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**  
Takuya Omuro<sup>1</sup>, Yasuhiro Yoshiga<sup>1</sup>, Masakazu Fukuda<sup>1</sup>, Hironori Ishiguchi<sup>1</sup>, Shohei Fujii<sup>1</sup>, Masahiro Hisaoka<sup>1</sup>, Tomoyuki Uchida<sup>1</sup>, Akihiko Shimizu<sup>2</sup>, Masafumi Yano<sup>1</sup>  
<sup>1</sup>Yamaguchi University Graduate School of Medicine, Japan, <sup>2</sup>Ube-kohsan Central Hospital, Japan
- O47-2 IMPROVED CEREBRAL BLOOD FLOW IN STROKE-FREE PATIENTS AFTER CATHETER ABLATION OF ATRIAL FIBRILLATION**  
Naoaki Hashimoto, Takanori Arimoto, Kyoko Koyama, Daisuke Kutsuzawa, Yuta Kobayashi, Tomonori Aono, Satoshi Aita, Shigehiko Kato, Tetsu Watanabe, Masafumi Watanabe  
Yamagata University, Japan
- O47-3 UTILITY OF LONGITUDINAL ASSESSMENT OF D-DIMER FOR PREDICTING ISCHEMIC STROKE AND BLEEDING EVENTS AFTER ATRIAL FIBRILLATION ABLATION**  
Atsushi Doi, Wataru Nakano, Tasuku Ashida, Chieko Toriyama, Teppei Noda, Fumi Sato, Takayuiki Yamada  
Otemae Hospital, Japan
- O47-4 USEFULNESS OF LEFT ATRIAL STRAIN IN PREDICTING PERI-OPERATIVE STROKE IN ATRIAL FIBRILLATION ABLATION**  
Issei Yoshimoto, Yuichi Ninomiya, Hitoshi Ichiki, Hiroyuki Kamada, Akari Tajima, Yuki Hamamoto, Yoshihisa Horizoe, Mitsuru Oishi  
Kagoshima University Graduate School of Medical and Dental Sciences, Japan
- O47-5 INCIDENCE AND PREDICTORS OF ASYMPTOMATIC CEREBRAL INFARCTION FOLLOWING RADIOFREQUENCY CATHETER ABLATION FOR ATRIAL FIBRILLATION**  
Tetsuya Watanabe  
Osaka General Medical Center, Japan

**Oral Presentation 48**  
**AF Thrombosis 2**

14 : 50 ~ 15 : 50

Chair Ken Terata (*Akita University Graduate School of Medicine, Japan*)  
 Norishige Morita (*Tokai University Hachioji Hospital, Japan*)

- O48-1 THE IMPACT OF BLEEDING EVENTS ON MORTALITY IN PATIENTS WITH ATRIAL FIBRILLATION AND SILENT LEFT ATRIAL THROMBI: INSIGHT FROM THE LAT TRIAL**  
 Masato Okada<sup>1</sup>, Nobuaki Tanaka<sup>1</sup>, Koji Tanaka<sup>1</sup>, Yuko Hirao<sup>1</sup>, Shinichi Harada<sup>1</sup>, Naoko Miyazaki<sup>1</sup>, Kohei Iwasa<sup>1</sup>, Yasuyuki Egami<sup>2</sup>, Masaharu Masuda<sup>3</sup>, Tetsuya Watanabe<sup>4</sup>, Nobuhiko Makino<sup>5</sup>, Akihiro Sunaga<sup>6</sup>, Shungo Hikoso<sup>6</sup>, Koichi Inoue<sup>7</sup>, Yasushi Sakata<sup>6</sup>  
<sup>1</sup>Sakurabashi Watanabe Hospital, Japan, <sup>2</sup>Osaka Rosai Hospital, Japan, <sup>3</sup>Kansai Rosai Hospital, Japan, <sup>4</sup>Osaka General Medical Center, Japan, <sup>5</sup>Osaka Police Hospital, Japan, <sup>6</sup>Osaka University Graduate School of Medicine, Japan, <sup>7</sup>NHO Osaka National Hospital, Japan
- O48-2 RELATIONSHIP BETWEEN LEFT ATRIAL APPENDAGE ENHANCEMENT ON LATE-PHASE PRONE-POSITION CONTRAST COMPUTED TOMOGRAPHY AND OUTCOME OF CATHETER ABLATION FOR NON-PAROXYSMAL ATRIAL FIBRILLATION**  
 Yuichiro Sagawa<sup>1</sup>, Yasuteru Yamauchi<sup>1</sup>, Kazuya Murata<sup>1</sup>, Hirofumi Arai<sup>1</sup>, Atsuhito Oda<sup>1</sup>, Masahiko Goya<sup>2</sup>, Tetsuo Sasano<sup>2</sup>  
<sup>1</sup>Yokohama City Minato Red Cross Hospital, Japan, <sup>2</sup>Tokyo Medical and Dental University, Japan
- O48-3 ANALYSIS OF INCIDENTAL EXTRACARDIAC FINDINGS AND LEFT ATRIAL APPENDAGE THROMBUS BEFORE CATHETER ABLATION PROCEDURE FOR ATRIAL FIBRILLATION**  
 Hosei Kikushima, Tomohiko Matsumura, Ryo Wada, Shintaro Yao, Kensuke Yano, Katsuya Akitsu, Hideki Koike, Masaya Shinohara, Toshio Kinoshita, Hitomi Yuzawa, Tadashi Fujino, Takanori Ikeda  
 Toho University, Japan
- O48-4 CORRELATION BETWEEN THROMBOEMBOLIC RISK AND PREVALENCE OF CORONARY ARTERY DISEASE IN PATIENTS WITH ATRIAL FIBRILLATION**  
 Tsutomu Murakami, Atsuhiko Yagishita, Kengo Ayabe, Susumu Sakama, Mari Amino, Koichiro Yoshioka, Yuji Ikari  
 Tokai University, Japan
- O48-5 LEFT ATRIAL THROMBOSIS MANAGEMENT: INSIGHTS FROM 39 INDIVIDUAL CASES IN A SINGLE CENTER**  
 Tomoki Horie, Yasutoshi Nagata, Yuta Taomoto, Masakazu Kaneko, Toshihiro Nozato  
 Japanese Red Cross Musashino Hospital, Japan

## 第11会場 (2階 201+202)

メディカルプロフェッショナル口述演題 14  
アブレーション 6

8:30 ~ 9:30

座長 山本 基善 (心臓血管センター金沢循環器病院)  
井野 裕也 (京都桂病院臨床工学科)

## MPO14-1 クライオバルーンアブレーションの肺静脈前庭部焼灼巣における辺縁電位の経時的変化に関する検討

荒川 菜由<sup>1</sup>, 假屋 成耕<sup>1</sup>, 栗山 智有<sup>2</sup>, 森 一樹<sup>2</sup>, 清水 友規子<sup>2</sup>, 鯨 和人<sup>2</sup>, 佐藤 幸人<sup>2</sup><sup>1</sup>兵庫県立尼崎総合医療センター臨床工学課, <sup>2</sup>兵庫県立尼崎総合医療センター循環器内科

## MPO14-2 BiAtrial Tachycardiaに対するRippleおよびCOHERENTを併用した至適通電部位を選定できた1症例

見山 淳<sup>1</sup>, 鈴木 拓人<sup>1</sup>, 大戸 翔平<sup>1</sup>, 高萩 佑介<sup>1</sup>, 福田 浩二<sup>2</sup>, 平野 道基<sup>2</sup>, 三木 景太<sup>2</sup><sup>1</sup>国際医療福祉大学病院臨床工学科, <sup>2</sup>国際医療福祉大学病院循環器内科・不整脈センター

## MPO14-3 体内不関電極を用いたCMAP測定についての検討

徳留 大剛<sup>1</sup>, 長田 淳<sup>2</sup>, 野中 亮平<sup>1</sup>, 倉田 康広<sup>1</sup>, 藤原 菜実<sup>1</sup>, 鈴木 穰<sup>1</sup>, 寺田 直正<sup>1</sup>, 伊藤 浩一<sup>1</sup>, 浅野 駿逸<sup>2</sup>, 小和瀬 晋弥<sup>2</sup><sup>1</sup>横浜労災病院臨床工学科, <sup>2</sup>横浜労災病院循環器内科

## MPO14-4 非肺静脈由来の心房性期外収縮の治療における右房と冠静脈電位を参照した治療の有用性の検討

降矢 憲一<sup>1</sup>, 山下 賢之介<sup>2</sup>, 佐藤 孝二<sup>1</sup>, 杵渕 泰洋<sup>1</sup>, 佐藤 康弘<sup>1</sup>, 舟山 慶祐<sup>1</sup>, 鷹 沙緒里<sup>1</sup>, 正野 智久<sup>1</sup>, 村上 友優<sup>1</sup>, 稲野 未七海<sup>1</sup>, 野村 丈紘<sup>2</sup>, 小野寺 康介<sup>2</sup>, 水野 陽介<sup>2</sup>, 熊澤 大記<sup>2</sup><sup>1</sup>仙台厚生病院臨床工学科, <sup>2</sup>仙台厚生病院心臓血管センター不整脈科

## MPO14-5 PentaRayと比較したOctaRayカテーテルによるHigh-Density マッピングの性能評価

山野 咲<sup>1</sup>, 篠原 智誉<sup>1</sup>, 甲 敬之<sup>1</sup>, 柳田 開成<sup>1</sup>, 高橋 亮太<sup>1</sup>, 植田 祐希<sup>1</sup>, 川治 徹真<sup>2</sup><sup>1</sup>三菱京都病院臨床工学科, <sup>2</sup>三菱京都病院心臓内科メディカルプロフェッショナル口述演題 15  
チーム医療

9:40 ~ 10:40

座長 佐藤 伸之 (旭川医科大学教育センター)  
齋藤 修 (新潟大学医学部保健学科)

## MPO15-1 心臓不整脈デバイス不具合事象に対するチーム医療の重要性

鈴木 まどか<sup>1</sup>, 林 英守<sup>1</sup>, 大澤 翔太<sup>2</sup>, 飯嶋 賢一<sup>1</sup>, 松本 紘毅<sup>1</sup>, 黒田 俊介<sup>1</sup>, 木村 友紀<sup>1</sup>, 松原 友美<sup>1</sup>, 関田 学<sup>1</sup>, 高島 滉平<sup>2</sup>, 浅見 陽介<sup>2</sup>, 岩間 華織<sup>2</sup>, 南野 徹<sup>1</sup><sup>1</sup>順天堂大学大学院医学研究科循環器内科学講座, <sup>2</sup>順天堂大学医学部附属順天堂医院臨床工学科

## MPO15-2 麻酔臨床工学技士による不整脈に関連した全身麻酔手術の実践

亀井 祐哉<sup>1</sup>, 中村 圭佑<sup>1</sup>, 宇井 勇氣<sup>1</sup>, 設楽 佑介<sup>1</sup>, 安孫子 明博<sup>1</sup>, 有本 貴範<sup>2</sup>, 田村 晴俊<sup>2</sup>, 沓澤 大輔<sup>3</sup>, 橋本 直明<sup>2</sup>, 成澤 あゆ香<sup>4</sup>, 川前 金幸<sup>4</sup>, 渡邊 哲<sup>2</sup>, 渡辺 昌文<sup>2</sup><sup>1</sup>山形大学医学部附属病院臨床工学科, <sup>2</sup>山形大学医学部附属病院第一内科(循環器内科), <sup>3</sup>山形大学医学部先進不整脈治療学講座, <sup>4</sup>山形大学医学部附属病院麻酔科

### MPO15-3 待機的VA-ECMO挿入下でアブレーションを施行した心室頻拍の1例

朝原 康介<sup>1</sup>, 三宅 弘之<sup>1</sup>, 佐田野 悠<sup>1</sup>, 岡 佑一郎<sup>1</sup>, 永禮 和真<sup>1</sup>, 難波 秀樹<sup>1</sup>, 福島 基弘<sup>2</sup>, 田中 翔平<sup>2</sup>,  
松下 有紀<sup>2</sup>, 岸本 ひかる<sup>2</sup>, 田坂 浩嗣<sup>3</sup>, 吉野 充<sup>3</sup>, 坂田 篤<sup>3</sup>, 茶谷 龍己<sup>3</sup>, 住吉 啓伸<sup>3</sup>, 吉田 賢大<sup>3</sup>,  
川畑 徳馬<sup>3</sup>, 門田 一繁<sup>3</sup>

<sup>1</sup>倉敷中央病院臨床工学部, <sup>2</sup>倉敷中央病院臨床検査技術部, <sup>3</sup>倉敷中央病院循環器内科

### MPO15-4 当院ペースメーカー外来における心不全指標の提供の取り組み

高松 望美<sup>1</sup>, 中村 透<sup>1</sup>, 伊藤 健介<sup>1</sup>, 山田 徹<sup>1</sup>, 合坪 詳太<sup>1</sup>, 伊勢谷 啓介<sup>1</sup>, 三浦 卓也<sup>1</sup>, 福田 康司<sup>1</sup>,  
梁川 和也<sup>1</sup>, 猪俣 雄祐<sup>1</sup>, 古堅 真<sup>2</sup>

<sup>1</sup>北海道循環器病院臨床工学科, <sup>2</sup>北海道循環器病院循環器内科

### MPO15-5 アブレーション治療における診療放射線技師のタスクシフトの取り組み

山内 達也<sup>1</sup>, 榊永 大二郎<sup>1</sup>, 川人 充知<sup>2</sup>

<sup>1</sup>静岡市立静岡病院医療支援部放射線技術科, <sup>2</sup>静岡市立静岡病院循環器内科

メディカルプロフェSSIONナル口述演題 16  
アブレーション7

14:50～15:50

座長 杉村 宗典 (姫路獨協大学医療保健学部臨床工学科)  
芳森 亜希子 (君津中央病院)

**MPO16-1 アブレーション術後の悪心嘔吐に対する予測因子の検討**

坂之上 春菜<sup>1</sup>, 岡本 沙矢香<sup>1</sup>, 岡野 久美<sup>1</sup>, 佐野 仁弥<sup>3</sup>, 東矢 俊一<sup>2</sup>, 山地 博介<sup>2</sup>, 村上 充<sup>3</sup>

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

**MPO16-2 全身麻酔下で施行する心房細動アブレーション時の、保温ブランケットによる体温管理が患者に与える影響について**

山口 愛里紗<sup>1</sup>, 竹本 真生<sup>2</sup>, 井上 聖<sup>1</sup>, 寺内 宣恵<sup>1</sup>, 貞末 善恵<sup>1</sup>, 永岡 かおり<sup>1</sup>

<sup>1</sup>製鉄記念八幡病院看護部, <sup>2</sup>製鉄記念八幡病院循環器内科

**MPO16-3 心房期外収縮アブレーションに心内心電図によるModified Pattern Matchが有用であった4例**

藤岡 真功<sup>1</sup>, 祖父江 嘉洋<sup>2</sup>, 浅井 崇史<sup>1</sup>, 明周 義友<sup>1</sup>, 阪野 有希菜<sup>1</sup>, 川島 早江貴<sup>1</sup>, 渡邊 英一<sup>2</sup>

<sup>1</sup>藤田医科大学ばんだね病院ME管理室, <sup>2</sup>藤田医科大学ばんだね病院循環器内科

**MPO16-4 大動脈弁尖を起源としPreferential Pathwayを介してHis近傍へBreakthroughする特発性持続性心室頻拍に対してLCC/RCC交連部からの通電が奏功した1例**

水谷 晃暢<sup>1</sup>, 筏 雄亮<sup>1</sup>, 松平 華<sup>1</sup>, 矢野 裕大<sup>1</sup>, 藤田 竣祐<sup>1</sup>, 吉田 新悟<sup>1</sup>, 平等 愛菜<sup>1</sup>, 阿部 顕正<sup>1</sup>, 岡田 真人<sup>2</sup>, 田中 宣暁<sup>2</sup>, 田中 耕史<sup>2</sup>

<sup>1</sup>桜橋渡辺病院臨床工学科, <sup>2</sup>桜橋渡辺病院循環器内科

**MPO16-5 LV Summit VTに対しBipolar Ablationを施行した1例**

猫宮 伸佳<sup>1</sup>, 野宮 亜里沙<sup>1</sup>, 板坂 竜<sup>1</sup>, 那須 敏裕<sup>1</sup>, 進藤 尚樹<sup>1</sup>, 鳥羽 真弘<sup>2</sup>, 横式 尚司<sup>2</sup>

<sup>1</sup>市立札幌病院臨床工学科, <sup>2</sup>市立札幌病院循環器内科