

The 39th Annual Meeting of the Cardiac Biopsy Conference (CABIC2017)

Date 25th November 2017
reception counter open AM8:30-PM18:00
participation fee 5,000 yen (Free Lunch Box & Afternoon snack)

Venue DENKI BUILDING (MAIN BUILDING) B2F Conference Hall, No. 7
No.8(Main Hall)
2-1-82 Watanabe Dori, Chuo-ku, Fukuoka 810-0004, Japan

President Masanori Okabe, MD, PhD
Adviser Division of Cardiology
Cardiovascular and Aortic Center
Saiseikai Fukuoka General Hospital

Secretariat Saiseikai Fukuoka General Hospital
1-3-46 Tenjin, Chuo-ku, Fukuoka 810-0001, Japan
Phone +81-(0)92-771-8151
Fax +81-(0)92-716-0185
E.Mail cabic39@saiseikai-hp.chuo.fukuoka.jp

Executive director
Seiya Kato, MD, PhD
Division of Pathology, Saiseikai Fukuoka General Hospital
General Clerk
Ms. Hiromi Shibata
Division of Cardiology, Saiseikai Fukuoka General Hospital

Program

9:00~9:05 Opening Remarks

9:05~10:05 (presentation 6 min, Discussion 4 min ea.)

Evaluation Examination Board for Young Investigator Award (YIA)

Chair: Kyoko Imanaka-Yoshida (Department of Pathology and Matrix Biology, Mie University Graduate school of medicine, Tsu, Japan)

Hiroyuki Takano (Department of Molecular Cardiovascular Pharmacology, Graduate school of Pharmaceutical Sciences, Chiba University, Chiba, Japan)

Examination committee:

Fumio Terasaki (Osaka Medical College Education Center & Department of Cardiology, Osaka Medical College, Takatsuki, Japan)

Hisashi Kai (Division of Cardiology, Kurume University Medical Center, Kurume, Japan)

YIA-1 **Stem cells with mitochondrial drug delivery system can ameliorate survival of doxorubicin-induced cardiomyopathy**
Jiro Abe¹⁾, Atsuhito Takeda¹⁾, Yuma Yamada²⁾, Hideyoshi Harashima²⁾

1. Department of Pediatrics, Graduate school of medicine, Hokkaido University, Sapporo, Japan

2. Faculty of Pharmaceutical Sciences, Laboratory for Molecular Design of Pharmaceutics, Hokkaido University, Sapporo, Japan

YIA-2 **Successful transcatheter diagnosis and medical treatment of right atrial involvement in IgG4-related disease.**

Nobutaka Nagano¹⁾, Toshiyuki Yano¹⁾, Takefumi Fujito¹⁾, Atsushi Mochizuki¹⁾, Daigo Nagahara¹⁾, Motohisa Yamamoto²⁾, Hiroki Takahashi²⁾, Hatsue Ishibashi-Ueda³⁾, Tetsuji Miura¹⁾

1. Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University, Sapporo, Japan

2. Department of Rheumatology and Clinical Immunology, Sapporo Medical University, Sapporo, Japan

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

YIA-3 **An autopsy case of aortic intimal sarcoma associated with aortitis syndrome.**

Minoru Wakasa¹⁾, Hirohumi Aoki¹⁾, Yasuyuki Kawai¹⁾, Kouji Kajinami¹⁾, Yoshimichi Ueda²⁾

1. Department of Cardiology, Kanazawa Medical university, Kahoku, Japan

2. Department of Pathology II, Kanazawa Medical university, Kahoku, Japan

YIA-4 **A case of anti-signal recognition particle (SRP) antibody-positive necrotizing myopathy associated cardiomyopathy.**

Taiki Hayasaka¹⁾, Naka Sakamoto¹⁾, Shiori Takeguchi-Kikuchi¹⁾, Satoshi Kawaguchi¹⁾, Misako Hontani¹⁾, Jun Sawada¹⁾, Akiho Minoshima¹⁾, Takayuki Katayama¹⁾, Yoshihiko Ikeda²⁾, Hatsue Ueda²⁾, Naoyuki Hasebe¹⁾

1. Division of Cardiology, Nephrology, Pulmonology and Neurology Department of Internal Medicine, Asahikawa Medical University, Asahikawa, Japan
2. Department of Pathology and Biobank, National Cerebral and Cardiovascular Center, Osaka, Japan

YIA-5 Tatsuya Mori et al.
Mie University Hospital

YIA-6 **Correlation between myocardial expression of DPP-4 and clinical parameters in patients with heart failure –Analysis using the EMB specimens–**

Masanori Hirose¹⁾, Hiroyuki Takano²⁾, Hiroshi Hasegawa¹⁾, Yuka Kobara¹⁾, Yoshio Kobayashi¹⁾

1. Department of Cardiovascular Medicine, Chiba University Hospital, Chiba, Japan
2. Department of Molecular Cardiovascular Pharmacology, Graduate School of Pharmaceutical Sciences, Chiba University, Chiba, Japan

10:05~10:55 (presentation 7 min, Discussion 3 min ea.)

Oral Session 1 “Myocarditis and Inflammatory Cardiomyopathy (1)”

Chair: Kazufumi Nakamura (Department of Cardiovascular Medicine, Okayama University, Okayama, Japan)

Yoshihiko Ikeda (Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan)

O-1-1 **Interim Report of Multicenter Registry to Investigate Inflammatory Cell Infiltration in Dilated Cardiomyopathy in Tissue of Endomyocardial Biopsy (INDICATE study).**

Yasuo Sugano¹⁾, Muneyuki Kadota¹⁾, Keiko Ogo²⁾, Yoshihiko Ikeda²⁾, Hatsue Ueda²⁾, Tsunenori Saito³⁾, Shigeyuki Nishimura⁴⁾, Genzo Takemura⁵⁾, Shinya Minatoguchi⁶⁾, Kazuo Eguchi⁷⁾, Yasuchika Takeishi⁸⁾, Nobuyuki Ohte⁹⁾, Kaoru Dohi¹⁰⁾, Kazufumi Nakamura¹¹⁾, Kyoko Imanaka¹²⁾, Michiaki Hiroe¹³⁾

1. Cardiovascular Department, National Cerebral and Cardiovascular Center
2. Dep Department of Pathology, National Cerebral and Cardiovascular Center
3. Department of Cardiovascular Medicine, Nippon Medical School
4. Department of Cardiovascular Medicine, Saitama Medical University International Medical Center
5. Department of Cardiovascular Medicine, Asahi University
6. Department of Cardiology, Gifu University Graduate School of Medicine
7. Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine
8. Department of Cardiology and Hematology, Fukushima Medical University
9. Department of Cardio-Renal Medicine and Hypertension, Nagoya City University
10. Department of Cardiology and Nephrology, Mie University
11. Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine
12. Research Center for Matrix Biology, Mie University
13. Cardiology Department, National Center for Global Health and Medicine

O-1-2 **A case which was diagnosed as inflammatory dilated cardiomyopathy.**

Keita Iyama¹⁾, Hiroaki Kawano¹⁾, Kuniko Abe²⁾, Tsuyoshi Yonekura¹⁾,
Tsuyoshi Yoshimuta¹⁾, Satoshi Ikeda¹⁾, Yuji Koide¹⁾, Koji Maemura¹⁾

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

2. Department of Pathology, Nagasaki University Hospital, Nagasaki, Japan

O-1-3 **A case of acute heart failure probably associated with influenza vaccination.**

Ryo Nakamura, Tomoyuki Tobushi, Satomi Konno, Yasuhiro Sezutsu,
Hikaru Hatashima, Hiroyuki Toyohara, Takaya Fukuyama, Shinichi
Ando, Toshiaki Kadokami

The Cardiology Division, Saiseikai Futsukaichi Hospital, Fukuoka Japan

O-1-4 **Eosinophilic myocarditis associated with anti-mitochondrial M2 antibodies: a novel concept of mechanism for the onset of myocarditis.**

Tsunenori Saito¹⁾, Eitaro Kodani¹⁾, Yoshiki Kusama¹⁾, Ichizo Nishino²⁾,
Wataru Shimizu³⁾

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

2. Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

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

O-1-5 **Diagnosis of acute lymphocytic myocarditis complicated with complete AV block by endomyocardial biopsy, cardiovascular MR and FDG-PET; A case report.**

Takafumi Koga¹⁾, Koichi Yasuda¹⁾, Takafumi Kubo¹⁾, Hiroshi Arai¹⁾,
Yuji Muraba¹⁾, Kaoru Fuchigami¹⁾, Yasufumi Ogiwara¹⁾, Yoichi
Nakazato²⁾

1. Division of Cardiology, Hidaka Hospital, Gunma, Japan

2. Division of Pathology, Pathological Diagnosis Center, Hidaka Hospital, Gunma, Japan

11:05~11:55 (presentation 7 min, Discussion 3 min ea.)

**Oral Session 2 "Myocarditis and Inflammatory Cardiomyopathy (2)
Arrhythmogenic disease"**

Chair: Hiromitsu Kanamori (Department of Cardiovascular Medicine, Gifu University
Graduate school of medicine, Gifu, Japan)

Tsunenori Saito (Department of Internal Medicine and Cardiology, Nippon Medical
School Tama Nagayama Hospital, Tama, Japan)

O-2-1 **A case of acute hypersensitivity myocarditis related to tetanus toxoid immunization.**

Hiroyuki Yamamoto¹⁾, Toru Hashimoto¹⁾, Kyoko Imanaka²⁾, Michiaki
Hiroe³⁾, Tomoki Yokochi⁴⁾

1. Department of Cardiovascular medicine, Narita-Tomisato Tokushukai Hospital, Chiba, Japan

2. Mie University Research Center for Matrix Biology, Tsu, Japan

3. Department of Cardiology, National Center for Global and Medicine, Tokyo, Japan

4. Department of Clinical Research, Chiba Tokushukai Hospital, Chiba, Japan

O-2-2 **Steroid responsive cardiac sarcoidosis without focal 18F-fluoro-2-deoxyglucose accumulation.**

Keiichiro Iwasaki¹⁾, Osamu Seguchi¹⁾, Yuki Kimura¹⁾, Koichi Toda¹⁾, Noriko Kikuchi¹⁾, Yuto Kumai¹⁾, Kensuke Kuroda¹⁾, Yorihiro Matsumoto²⁾, Masanobu Yanase¹⁾, Tomoyuki Fujita²⁾, Junjiro Kobayashi²⁾, Keiko Ogo³⁾, Manabu Matsumoto³⁾, Yoshihiko Ikeda³⁾, Hatsue Ueda³⁾, Norihide Fukushima¹⁾

1. Department of Transplantation, National Cerebral and Cardiovascular Center

2. Department of Cardiovascular Surgery, National Cerebral and Cardiovascular Center

O-2-3 **A case of undifferentiated pleomorphic sarcoma of the left atrium complicated by myocarditis.**

Takayoshi Goto¹⁾, Chikao Yutani¹⁾, Teruaki Nagano¹⁾, Michiko Yoshimura¹⁾, Yuki Sato²⁾, Ryohei Yamauchi²⁾, Toshiaki Mano²⁾

1. Department of Pathology, Kansai Rosai Hospital, Osaka, Japan

2. Department of Cardiology, Kansai Rosai Hospital, Osaka, Japan

O-2-4 **Histology of the remnant accessory pathway in a patient of WPW syndrome after surgical ablation.**

Taka-aki Matsuyama¹⁾³⁾, Masaya Fujishiro¹⁾, Xiao-Pen Lee¹⁾, Keizo Sato¹⁾, Ryo Haraguchi²⁾, Junko Nakashima³⁾, Hatsue Ishibashi-Ueda³⁾, Kengo Kusano⁴⁾

1. Department of Legal Medicine, Showa University School of Medicine

2. Graduate School of Applied Informatics, University of Hyogo

3. Department of Pathology, National Cerebral and Cardiovascular Center

4. Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center

O-2-5 **Spatiotemporally non-uniform calcium dynamics in the atria.**

Hideo Tanaka¹⁾, Taka-aki Matsuyama¹⁾, Tetsuro Takamatsu²⁾

1. Department of Pathology, Kyoto Prefectural University of Medicine, Graduate School of Medical Science, Kyoto, Japan

2. Department of Medical Photonics, Kyoto Prefectural University of Medicine, Kyoto, Japan.

11:55~12:55 (presentation and discussion 20 min ea.)

President planning workshop

“Imaging modality and Cardiovascular Pathology”

Chair: Masanori Okabe (Division of Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka, Japan)

Seiya Kato (Division of Pathology, Saiseikai Fukuoka General Hospital, Fukuoka, Japan)

W-1 **Endomyocardial biopsy in the clinical diagnosis of myocardial diseases: Role of histological findings in combination with echocardiography.**

Nozomi Watanabe¹⁾, Yujiro Asada²⁾

1. Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki, Japan

2. Department of Pathology, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan

- W-2 **Molecular imaging for the assessment of heart failure.**
Nobuhiro Tahara, Munehisa Bekki, Atsuko Tahara, Akihiro Honda,
Sachiyo Igata, Yoichi Sugiyama, Jiahui Sun, Tomohisa
Nakamura, Yoshihiro Fukumoto
Department of Medicine, Division of Cardiovascular Medicine, Kurume University
School of Medicine, Kurume, Japan
- W-3 **The role of cardiac pathology in diagnostic imaging modalities.**
Kenta Uto¹⁾, Saeko Yoshizawa¹⁾, Toshio Nishikawa²⁾
1. Department of Pathology, Tokyo Women's Medical University, Tokyo, Japan
2. Department of Surgical Pathology, Tokyo Women's Medical University, Tokyo, Japan

12:55~13:35

Lunch

Lunch Box and drink: provided by meeting office (free for all participants)
Vender presentation (Technowood, bioptome)

13:35~14:05 (presentation 4 min, Discussion 3 min ea.)

Poster Session 1

Chair: Hiroaki Kawano (Department of Cardiovascular Medicine, Nagasaki University
Graduate school of Biomedical Sciences, Nagasaki, Japan)

- P-1-1 **Dilated cardiomyopathy associated with congenital myopathy -A case report-**
Hiroaki Kawano¹⁾, Mitsuaki Ishijima¹⁾, Atsushi Nagaoka²⁾, Yuichi Shiraishi²⁾, Akira Tsujino²⁾, Kuniko Abe³⁾, Yoshihiko Ikeda⁴⁾, Koji Maemura¹⁾
1. Department of Cardiovascular Medicine, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan
2. Department of Neurology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan
3. Department of Pathology, Nagasaki University Hospital, Nagasaki, Japan
4. Department of Pathology, National Cerebral and Cardiovascular Center, Suita, Japan
- P-1-2 **A case of mitochondrial cardiomyopathy mimicking hypertrophic cardiomyopathy.**
Tomonari Kimura¹⁾, Kazufumi Nakamura¹⁾, Soichiro Kobashi¹⁾, Midori Ando²⁾, Takehiro Tanaka³⁾, Keiko Ogo⁴⁾, Atsuyuki Watanabe¹⁾, Hiroshi Ito¹⁾
1. Department of Cardiovascular Medicine, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama, Japan
2. Department of Pathology, Kagawa Prefectural Central Hospital, Takamatsu, Japan. Department of Pathology, Okayama University Hospital, Okayama, Japan
3. Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan
- P-1-3 **RNA and gene expression analysis of heart fixed by formalin and other fixatives.**

Sayaka Muto¹⁾, Manabu Shirai¹⁾, Atsuko Takagi¹⁾, Akihiro Sekine^{1,2)},
Hatsue Ishibashi-Ueda³⁾, Naoto Minamino¹⁾

1. Omics Research Center, National Cerebral and Cardiovascular Center, Osaka, Japan
2. Center for Preventive Medical Sciences, Chiba University, Chiba, Japan
3. Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan

P-1-4 Pathological findings in J2N-k cardiomyopathic hamsters at younger ages.

Mizuki Ishida¹⁾, Takashi Tsuji²⁾, Megumi Terada¹⁾, Hidetoshi Masumoto²⁾,
Kenji Minatoya²⁾, Masaya Ikegawa¹⁾, Hatsue Ishibashi-Ueda³⁾

1. Faculty of Life and Medical Sciences, Doshisha University, Kyoto, Japan
2. Department of Cardiovascular Surgery, Kyoto University, Kyoto, Japan
3. Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan

14:05~14:35 (presentation 4 min, Discussion 3 min ea.)

Poster Session 2

Chair: Kazutoshi Mawatari (Division of Cardiovascular Medicine, Department of Internal
Medicine, Kurume University School of Medicine, Kurume, Japan)

P-2-1 A case of death due to acute heart failure with dilated cardiomyopathy, eosinophilic myocarditis was found to be complicated by necropsy.

Kazutoshi Mawatari¹⁾, Ako Fukami¹⁾, Hisashi Kai¹⁾, Yoshihiro Fukumoto¹⁾,
Reiji Mutou²⁾, Kouichi Ohshima²⁾, Tomofumi Moriyama³⁾, Kei Fukami³⁾,
Seiya Kato⁴⁾

1. Division of Cardiovascular Medicine, Kurume University School of Medicine, Kurume, Japan
2. Division of Pathology, Kurume University School of Medicine, Kurume, Japan
3. Division of Nephrology, Kurume University School of Medicine, Kurume, Japan
4. Division of Pathology, Saiseikai Fukuoka General Hospital, Fukuoka, Japan

P-2-2 A case of cardiac sarcoidosis with refractory severe heart failure.
Shuichi Fujita¹⁾, Fumio Terasaki¹⁾, Yohei Yamauchi¹⁾, Noboru Ichihara¹⁾,
Yoshihiro Takeda¹⁾, Nobukazu Ishizaka¹⁾, Hiroko Kuwabara²⁾, Yoshikatsu
Okada²⁾, Yoshinobu Hirose²⁾

1. Department of Cardiology, Osaka Medical College, Osaka, Japan
2. Division of Pathology, Osaka Medical College, Osaka, Japan

P-2-3 A case of endocardial fibroelastosis in a 34 year-old grand multipara patient.

Satoshi Sakai¹⁾, Hajime Iwama¹⁾, Nozomi Toyokawa¹⁾, Hiroki Yano¹⁾,
Atsushi Iwai¹⁾, Yukihiko Hashimoto¹⁾, Hajime Fujimoto¹⁾, Megumi
Suzuki¹⁾, Takehito Nakai¹⁾, Naofumi Doi¹⁾, Yoshihiko Saito²⁾, Tomoya
Nakano²⁾, Kenji Onoue²⁾, Yasuhiro Sakaguchi²⁾

1. Division of Cardiovascular Medicine, Nara Prefecture Seiwa Medical Center
2. First Department of Internal Medicine, Nara Medical University

P-2-4 Hirofumi Aoki et al.

Kanazawa Medical University Hospital

14:40~15:20 (presentation 7 min, Discussion 3 min ea.)

Oral Session 3 “Fluminant Myocarditis”

Chair: Kenji Onoue (First Department of Internal Medicine, Nara Medical University, Kashihara, Japan)

Tomoko Kato (Department of Cardiac Surgery, Tokyo Metropolitan Geriatric Hospital, Tokyo, Japan)

O-3-1 Early Myocardial Calcification after Fulminant Myocarditis.

Yuichiro Iida, Shunsuke Ishii, Yazaki Mayu, Toyoji Kaida, Teppei Fujita, Yuki Ikeda, Takeru Nabeta, Naruke Takashi, Junya Ako
Kitasato University School of Medicine, Department of Cardiovascular Medicine

O-3-2 A case of fulminant lymphocytic myocarditis with eosinophil infiltration.

Atsushi Tobiume¹⁾, Takahisa Noma¹⁾, Yuusuke Hasui¹⁾, Keiji Matsunaga¹⁾, Teppei Tuji¹⁾, Kaori Ishikawa¹⁾, Kazushi Murakami¹⁾, Ryo Ishikawa²⁾, Reiji Haba²⁾, Tetsuo Minamino¹⁾

1. Department of CaridioRenal and CerebroVascular Medicine, Faculty of Medicine, Kagawa University

2. Department of Pathology, Faculty of Medicine, Kagawa University

O-3-3 Fulminant and acute myocarditis treated with high-dose intravenous immunoglobulin: Three cases and literature review.

Masayuki Koyama¹⁾, Makoto Terasawa¹⁾, Keisuke Kikuchi²⁾, Makoto Ogasawara³⁾, Toshiyuki Yano⁴⁾, Tetsuji Miura⁴⁾

1. Department of Cardiovascular Internal Medicine, Obihiro Kosei Hospital, Obihiro, Japan

2. Department of Pathology, Obihiro Kosei Hospital, Obihiro, Japan

3. Department of Cardiovascular Internal Medicine, Kushiro Kojinkai Hospital, Kushiro, Japan

4. Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University, Sapporo, Japan

O-3-4 Six cases of fulminant myocarditis : assessment of myocardial pathological characteristics.

Ayumu Yajima, Norihiko Kotooka, Koichi Node

Department of Cardiovascular Medicine, Saga University, Saga, Japan

15:40~16:40

Special sponsored lecture (co-sponsored by Pfizer Inc.)

Chair: Hatsue Ishibashi-Ueda (Department of Pathology and Biobank, National Cerebral and Cardiovascular Center, Osaka, Japan)

“Recent News on Cardiac Amyloidosis”

Yukio Ando (Department of Neurology, Graduate School of Medical Sciences, Kumamoto University)

16:40~18:00 (presentation and discussion 20 min ea.)

Japanese Circulation Society-CABIC Joint Symposium "Cardiac amyloidosis"

Chair: Tomomi Ide (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kyusyu University, Fukuoka, Japan)

Takayuki Inomata (Department of Cardiovascular Medicine, Kitasato University Kitasato Institute Hospital, Tokyo, Japan)

S-1 **Pathological diagnosis of cardiac amyloidosis: Update in recent remarkable advances of pathogenesis elucidation, image analysis and treatment strategy.**

Shunji Kawamura

Department of Diagnostic Pathology, Tokyo Women's Medical University Medical Center East, Tokyo, Japan

S-2 **Usefulness of ^{99m}Tc-pyrophosphate scintigraphy in screening of cardiac transthyretin amyloidosis.**

Toru Kubota¹⁾, Yoshitomo Tsutsui¹⁾, Seiya Kato²⁾, Masanori Okabe¹⁾, Yusuke Yamamoto¹⁾

1. Division of Cardiology, Cardiovascular and Aortic Center, Saiseikai Fukuoka General Hospital, Fukuoka, Japan

2. Division of Pathology, Saiseikai Fukuoka General Hospital, Fukuoka, Japan

S-3 **Predictor of 1-year mortality in AL amyloidosis with severe heart failure.**

Toshiyuki Yano¹⁾, Nobutaka Nagano¹⁾, Hiroshi Ikeda²⁾, Atsuko Muranaka¹⁾, Tetsuji Miura¹⁾

1. Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University, Sapporo, Japan

2. Department of Hematology, Sapporo Medical University, Sapporo, Japan

S-4 **A first case of familial amyloid cardiomyopathy associated with a Pro24Ser transthyretin mutation in Japan.**

Hiroyuki Yamamoto¹⁾, Toru Hashimoto¹⁾, Shunji Kawamura²⁾, Michiaki Hiroe³⁾, Tomoki Yokochi⁴⁾

1. Department of Cardiovascular medicine, Narita-Tomisato Tokushukai Hospital, Chiba, Japan

2. Department of Pathology, Tokyo Women's Medical University, Medical Center East, Tokyo, Japan

3. Department of Cardiology, National Center for Global and Medicine, Tokyo, Japan

4. Department of Clinical Research, Chiba Tokushukai Hospital, Chiba, Japan

18:00~18:40 (presentation 7 min, Discussion 3 min ea.)

Oral Session 4 "Amyloidosis"

Chair: Shinichi Nunoda (Division of Severe Heart Failure, Tokyo Women's Medical University Graduate School of Medicine, Cardiovascular Division, Tokyo Women's Medical Center East, Tokyo, Japan)

Chair: Michio Tanaka (Department of Pathology, Tokyo Metropolitan Hiroo Hospital, Tokyo, Japan)

O-4-1 **Clinical investigation of transthyretin (TTR) amyloidosis diagnosed by endomyocardial biopsy.**

Tomoya Nakano¹⁾²⁾, Kenji Onoue¹⁾, Kinta Hatakeyama³⁾, Yoshinobu Hoshii⁴⁾, Manabu Horii⁵⁾, Naohumi Doi⁶⁾, Hiroyuki Kawata¹⁾, Hirioyuki Okura¹⁾, Yasuhiro Sakaguchi¹⁾, Yoshihiko Saito¹⁾

1. First Department of Internal Medicine, Nara Medical University, Kashihara Nara, Japan
2. Division of Cardiology, Yamato Takada Municipal Hospital, Yamato-Takada Nara, Japan
3. Division of Diagnostic Pathology, Nara Medical University, Kashihara Nara, Japan
4. Division of Diagnostic Pathology, Yamaguchi University, Ube Yamaguchi, Japan
5. Division of Cardiology, Nara City Hospital, Nara, Japan
6. Division of Cardiology, Nara Prefectural Seiwa Medical Center, Nara, Japan

O-4-2 **Long-term clinical course of senile systemic amyloidosis: An autopsy case report.**

Kengo Korai¹⁾, Keiko Ohta-Ogo²⁾, Muneyuki Kadota¹⁾, Atsushi Okada¹⁾, Yasuo Sugano¹⁾, Manabu Matsumoto²⁾, Yoshihiko Ikeda²⁾, Hatsue Ishibashi-Ueda²⁾

1. Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan
2. Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan

O-4-3 **A case of Congo red-negative and DFS-negative cardiac amyloidosis caused with Castleman's disease.**

Takeshi Kashimura¹⁾, Nobue Yagihara¹⁾, Takayuki Wakasugi¹⁾, Hiromi Kayamori¹⁾, Shinya Fujiki¹⁾, Yuka Hayashi¹⁾, Kazuyuki Ozaki¹⁾, Genzo Takemura²⁾, Tohru Minamino¹⁾

1. Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata, Japan
2. Department of Internal Medicine, Asahi University School of Dentistry, Mizuho, Japan

O-4-4 **Manabu Matsumoto et al.**
National Cerebral and Cardiovascular Center

18:40~18:45 Closing Remarks

Reception

19:00~ CAFFE & BAR PRONTO, DENKI BUILDING (NORTH BUILDING)
participation fee 1,000 yen (please pay at the meeting reception counter)