

POSTER SESSIONS 1

Annex Hall 1

Heart Failure/Myocardial Diseases 1

Wednesday, May 20th, 17:20-18:20

Chairpersons: Uichi Ikeda (*Division of Cardiovascular Medicine, Shinshu University Graduate School of Medicine, Japan*)John W. Funder (*Prince Henry's Institute of Medical Research, Australia*)

- P-1** Reemodelling of Myocardial Gap Junctions and its Correlation with Cardiac Contractility in Diabetic Rats
Dong-Feng Yeih¹, Pen-Chih Liao¹, Ho-Tsung Hsin¹, Kuo-Chin Chen¹, Ai-Hsian Li¹, Yung-Zu Tseng²
¹ Department of Cardiology, Far-Eastern Memorial Hospital, Taiwan
² Department of Cardiology, National Taiwan University, Taiwan
- P-2** Quantification of Left Ventricular Diastolic Dynamics in Normal and Diseased Myocardium by Speckle-Tracking Echocardiography
Kaoru Dohi¹, Katsuya Onishi², Takeshi Takamura¹, Emiyo Sugiura¹, Hiroshi Nakajima¹, Kazuhide Ichikawa¹, Masaki Tanabe¹, Hiroya Tamada¹, Masatoshi Miyahara¹, Mashio Nakamura¹, Masaaki Ito¹
¹ Department of Cardiology, Mie University Graduate School of Medicine, Japan
² Department of Molecular and Laboratory Medicine, Mie University Graduate School of Medicine, Japan
- P-3** Left Ventricular Diastolic Dysfunction and hsCRP: A Correlation Study
Arnold Santos de Guzman, Edgar Ongjoco, Eryln Demerre
Heart Institute, St Luke's Medical Center, Philippines
- P-4** Obesity as an Independent Risk Predictor of Diastolic Dysfunction and its Severity
Arnold Santos de Guzman, Eryln C Demerre, Helen O Garcia
Heart Institute, St Luke's Medical Center, Philippines
- P-5** Changes in Ventricular Systolic and Diastolic Function Over Time: Relationship to Incident Heart Failure in the Community
Richard Rodeheffer, Garvan Kane, Barry Karon, Douglas Mahoney, Steven Jacobsen, Margaret Redfield
Cardiovascular Disease, Mayo Clinic & Medical School, United States
- P-6** Subclinical Myocardial Contractile Dysfunction in Patients with Mitral Stenosis Assessed by 2D Speckle-Tracking Technology
Renan Sukmawan, Muhammad Munawar, Amiliana Mardiani Soesanto, Ario Suryo, Ganesja Harimurti
Department of Cardiology and Vascular Medicine, University of Indonesia/ Harapan Kita National Cardiovascular Center, Indonesia

Heart Failure/Myocardial Diseases 2

Wednesday, May 20th, 17:20-18:20

Chairpersons: Hiroshi Ito (*Department of Cardiology, Akita University School of Medicine, Japan*)Harmani Kalim (*National Cardiovascular Centre, Indonesia*)

- P-9** Delayed Enhancement on Cardiac Magnetic Resonance and Clinical, Morphological and ECG Features in Hypertrophic Cardiomyopathy
Hiroshi Satoh¹, Fumitaka Matoh², Katsunori Shiraki¹, Takeji Saitoh¹, Masao Saotome¹, Tsuyoshi Urushida¹, Hideki Katoh¹, Hideharu Hayashi¹
¹ Internal Medicine III, Hamamatsu University School of Medicine, Japan
² Department of Cardiology, Omaezaki General Hospital, Japan
- P-10** Metabolic Remodeling Characterizes Transition from Cardiac Hypertrophy to Failure
Takao Kato¹, Yasutaka Inuzuka¹, Yodo Tamaki¹, Tsuneaki Kawashima¹, Shinichiro Niizuma¹, Junji Okuda¹, Yoshitaka Iwanaga¹, Toru Kita¹, Tomoyoshi Soga², Tetsuo Shioi¹
¹ Department of Cardiology, Kyoto University, Japan
² Institute for Advanced Bioscience, Keio University, Japan

- P-11** Suppression of Insulin Signaling Improves Protein Homeostasis and Prevents Cardiac Aging in Mice
 Yasutaka Inuzuka¹, Junji Okuda¹, Tsuneaki Kawashima¹, Takao Kato¹, Shinichiro Niizuma¹, Yodo Tamaki¹, Yoshitaka Iwanaga¹, Yuki Yoshida², Rie Kosugi², Yoji Machida², Tohru Izumi², Toru Kita¹, Tetsuo Shioi¹
¹ Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Japan
² Department of Cardio-Angiology, Kitasato University School of Medicine, Japan
- P-12** Quantifying Regional Left Ventricular Systolic Function by Two-Dimensional Strain in Swine Myocardial Infarct Model
 Yacui Gu¹, Winston Shim¹, Shiqi Li¹, Ting Huay Ooi¹, Thu Thao Le¹, Hweechoo Ong¹, In Chin Song², Seng Chye Chuah³, Li Fern Hsu³, Philip Wong³
¹ Research and Development Unit, National Heart Centre of Singapore, Singapore
² Singhealth Experimental Medical Centre of Singapore, Singapore
³ Department of Cardiology, National Heart Centre of Singapore, Singapore

Heart Failure/Myocardial Diseases 3

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Yoshio Ishida (Department of Radiology and Nuclear Medicine, National Cardiovascular Center, Japan)

Hamed Oemar (Faculty of Medicine, University Technology MARA, Malaysia)

- P-13** The Role of MDA5 in Enterovirus Persistence in Heart Tissues of DCM Patients
 Akira Ukimura, Akio Iimori, Nobuhisa Fukuda, Fumio Terasaki, Yasushi Kitaura
 Third Department of Internal Medicine, Osaka Medical College, Japan
- P-14** Influence of Gender Differences on Clinical Characteristics in Patients with Cardiac Sarcoidosis
 Yoshikazu Yazaki¹, Shin-ichi Aso², Ayako Takahashi¹, Mitsuaki Horigome¹, Takeshi Tomita², Hiroki Kasai², Atsushi Izawa², Minoru Hongo³, Uichi Ikeda²
¹ Division of Cardiology, NHO Matsumoto Medical Center, Japan
² Department of Cardiovascular Medicine, Shinshu University, Japan
³ Shinshu University School of Allied Health Science, Japan
- P-15** Decreased Expression of Dystrophin: Possibly an Adverse Effect of TNF- α in Patients with DCM
 Nahar Saikia Uma¹, Shamim Ahmad², Madhu Khullar², Ajay Bahl³, M Thungapathra⁴, Kewal K. Talwar³
¹ Department of Histopathology, Postgraduate Institute of Medical Education and Research, India
² Department of Experimental Medicine & Biotechnology Postgraduate Institute of Medical Education & Research, India
³ Department of Cardiology, Postgraduate Institute of Medical Education & Research, India
⁴ Department of Biochemistry, Postgraduate Institute of Medical Education & Research, India
- P-16** Low Level of Coxsackievirus RNA in the Myocardium of Patients with End-Stage Idiopathic Dilated Cardiomyopathy
 Shigekazu Fujioka, Yasushi Kitaura, Hirofumi Deguchi
 Third Division of Department of Internal Medicine, Osaka Medical College, Japan
- P-17** Anti-Inflammatory Effects of S100A8/A9 on Experimental Autoimmune Myocarditis through Modulation of the Proinflammatory Cytokine Network
 Kaoru Otsuka¹, Fumio Terasaki¹, Masaki Ikemoto², Takashi Katashima¹, Shuichi Fujita¹, Yumiko Kanzaki¹, Koichi Sohmiya¹, Tatsuji Kono¹, Masatoshi Fujita², Yasushi Kitaura¹
¹ Department of Internal Medicine III, Osaka Medical College, Japan
² Human Health Sciences, Kyoto University Graduate School of Medicine, Japan
- P-18** Matrix Metalloproteinases and Late Gadolinium-Enhancement with Cardiovascular Magnetic Resonance in Patients with Dilated Cardiomyopathy
 Tomoaki Ohtsuka, Takayuki Nagai, Kazuhisa Nishimura, Katsuji Inoue, Jun Suzuki, Akiyoshi Ogimoto, Hideki Okayama, Jitsuo Higaki
 Division of Cardiology, Ehime University Graduate School of Medicine, Japan

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Yoshihiko Saito (*First Department of Internal Medicine, Nara Medical University, Japan*)
Morag J. Young (*Cardiovascular Endocrinology, Prince Henry's Institute of Medical Research, Australia*)

- P-19** The Comparison of Clinical and Echocardiographic Features in Stress-Induced Apical and Non-Apical Ballooning
So Yeon Kim¹, Kee Sik Kim¹, Ji Young Choi¹, Sung Gug Chang¹, Kee Young Kim², Dong Heun Yeang³, Seung Cheul Choi³, Hyeung Sub Kim⁴, Tea Ho Park⁵, Kyeong Yem Cho⁶, Hong Hong⁷
¹ Department of Cardiology, Daegu Catholic University, Korea
² Department of Cardiology, Konyang University, Korea
³ Department of Cardiology, Kyeong Book National University, Korea
⁴ Department of Cardiology, Kye Myeung University, Korea
⁵ Department of Cardiology, Dong Ya University, Korea
⁶ Department of Cardiology, Myerimol Hospital, Korea
⁷ Department of Cardiology, Yonng Nam University, Korea
- P-20** Impact of Atrial Fibrillation in Elderly Patients with Hypertrophic Cardiomyopathy: Results from Kochi Cardiomyopathy Network
Toru Kubo, Hiroaki Kitaoka, Makoto Okawa, Takayoshi Hirota, Naohito Yamasaki, Yoshihisa Matsumura, Toshikazu Yabe, Yoshinori L Doi
Department of Medicine and Geriatrics, Kochi Medical School, Japan
- P-21** Cardiac Troponin I is Related to Maximum LV Wall Thickness, LV Dysfunction and Male Gender in Hypertrophic Cardiomyopathy
Toru Kubo¹, Hiroaki Kitaoka¹, Makoto Okawa¹, Takayoshi Hirota¹, Eri Hoshikawa¹, Kayo Hayato¹, Naohito Yamasaki¹, Yoshihisa Matsumura¹, Tetsuro Sugiura², Yoshinori L Doi¹
¹ Department of Medicine and Geriatrics, Kochi Medical School, Japan
² Department of Laboratory Medicine, Kochi Medical School, Japan
- P-22** Electrocardiographic Pattern of Giant Negative T Wave: Is It a Benign Prognostic Sign in Hypertrophic Cardiomyopathy ?
Makoto Okawa, Toru Kubo, Hiroaki Kitaoka, Yoshihisa Matsumura, Nobuhiko Hitomi, Naohito Yamasaki, Toshikazu Yabe, Jun Takata, Yoshinori L Doi
Department of Medicine and Geriatrics, Kochi Medical School, Japan
- P-23** Comparison of Myocardial Damage in Takotsubo Cardiomyopathy and Sympathetic Nerve Distribution Pattern of Myocardium in Human Heart
Hiroaki Kawano¹, Shuji Arakawa¹, Osami Satoh¹, Yuji Matsumoto¹, Motonobu Hayano¹, Katsusuke Yano²
¹ Department of Cardiology, Nagasaki Rosai Hospital, Japan
² Department of Health and Nutrition, Nagasaki International University, Japan
- P-24** Transient Left Ventricular Apical Ballooning in the Intensive Care Unit
Yeun Tarl Fresner Ng Jao, Ching-Chang Fang, Yi Chen, Ching-Lung Yu, Shih-Pu Wang
Department of Cardiology, Tainan Municipal Hospital, Taiwan

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Hiroyuki Tsutsui (*Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan*)

Kriengkrai Hengrussamee (*Nonthaburi & Heart Failure Council of Thailand, Thailand*)

- P-25** Change of ANP/BNP by Exercise is an Index of Cardiac Functional Reserve
 Takamasa Sato, Masumi Iwai-Takano, Masayoshi Oikawa, Akiomi Yoshihisa, Toshiyuki Ishibashi, Yasuchika Takeishi
First Department of Internal Medicine, Fukushima Medical University, Japan
- P-26** B-Type Natriuretic Peptide Testing and the Accuracy of Heart Failure Diagnosis in the Emergency Department
 Louisa Lok Yi Lam¹, Amaali Lokuge², Peter Cameron¹, Henry Krum¹, De Villiers Smit², Adam Bystrycki², Matthew T Naughton², Jacob Federman², Genevieve Flannery², David Eccleston³, Hans G Schneider²
¹ *Department of Epidemiology and Preventive Medicine, Monash University, Australia*
² *The Alfred, Australia*
³ *The Northern Hospital, Australia*
- P-27** B-Type Natriuretic Peptide Testing in Patients with Shortness of Breath in the Emergency Department to Improve Patient Outcome
 Louisa Lok Yi Lam¹, Peter Cameron¹, Henry Krum¹, Amaali Lokuge², De Villiers Smit², Adam Bystrycki², Matthew T Naughton², Jacob Federman², Genevieve Flannery², David Eccleston³, Hans G Schneider²
¹ *Department of Epidemiology and Preventive Medicine, Monash University, Australia*
² *The Alfred, Australia*
³ *The Northern Hospital, Australia*
- P-28** Comparison of BNP and Nt-proBNP Based on the Prognostic Value for Stable Outpatients with Nonischemic Chronic Heart Failure
 Keizo Nishiyama, Takayoshi Tsutamoto, Masayuki Yamaji, Chiho Kawahara, Masanori Fujii, Takashi Yamamoto, Minoru Horie
Department of Cardiology, Shiga University of Medical Science, Japan
- P-29** Selected Biochemical Markers in Prediction of Left Ventricle Function after First Myocardial Infarction Treated with PCI
 Katarzyna Stopyra, Artur Pietrucha, Andrzej Paradowski, Marta Wegrzynowska, Andrzej Gackowski, Urszula Czubek, Danuta Mroczek-Czernecka, Wieslawa Piwowarska
John Paul II Hospital in Cracow, Coronary Artery Disease Department, Jagiellonian University, Collegium Medicum, Poland
- P-30** BNP in Patients with Systolic Versus Diastolic Left Ventricular Dysfunction
 Rifaat Salem Basuraih
Cardiology, Hadrhamout University, Yemen

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Keiko Yamauchi-Takahara (*Health Care Center & Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Japan*)

Matthew Naughton (*Alfred Hospital / Monash University, Australia*)

- P-31** Osteopontin could Cause Cardiac Remodeling and be a Predictor of the Responsiveness to Beta-Blockers in Heart Failure
 Hiroshi Okamoto¹, Shinpei Nonen², Yasushi Fujio², Yasuhiko Takemoto³, Minoru Yoshiyama³, Junichi Azuma⁴, Masatsugu Hori⁵, Akira Kitabatake⁶
¹ Department of Cardiovascular Medicine, Hokkaido Medical Center, Japan
² Graduate School of Pharmaceutical Sciences, Osaka University, Japan
³ Department of Internal Medicine and Cardiology, Osaka City University School of Medicine, Japan
⁴ Hyogo University of Health Sciences, Japan
⁵ Osaka Medical Center for Cancer and Cardiovascular Diseases, Japan
⁶ Hokkaido University, Japan
- P-33** Left Ventricular Expression of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 in Dahl Salt-Sensitive Rats with Heart Failure
 Tomohide Takaya¹, Tatsuya Morimoto¹, Yoichi Sunagawa¹, Hiromichi Wada¹, Teruhisa Kawamura¹, Akira Shimatsu¹, Masatoshi Fujita², Yoshiko Fujita³, Tatsuya Sawamura³, Koji Hasegawa¹
¹ Division of Translational Research, Kyoto Medical Center, National Hospital Organization, Japan
² Department of Human Health Sciences, Graduate School of Medicine, Kyoto University, Japan
³ Department of Vascular Physiology, National Hospital Organization, Japan
- P-34** The Anti-Inflammatory Mechanism of Prostaglandin E2 Receptor-4 Activation in Rat Experimental Autoimmune Myocarditis
 Jun-ichi Suzuki¹, Masahito Ogawa¹, Kiyoshi Takayama², Mitsuaki Isobe²
¹ Department of Advanced Clinical Science and Therapeutics, University of Tokyo, Japan
² Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Japan
- P-35** Quality-of-Care Indicators in Patients with Acute Myocardial Infarction can be Improved by a Continuous Quality Improvement Program
 Cheng-Hung Chiang, Feng-Yu Kuo, Wei-Chun Huang, Chin-Chang Cheng, Cheng-Chih Chung, Han-Lin Tsai, Kuan-Rau Chiou, Guang-Yuan Mar, Shin-Hung Hsiao, Shih-Kai Lin, Hsiang-Chiang Hsiao, Doyal Lee, Chuen-Wang Chiou, Tung-Cheng Yeh, Hung-Ru Huang, Chi-Cheng Lai, Shoa-Lin Lin, Chun-Peng Liu
 Cardiovascular Medical Center, Kaohsiung Veteran General Hospital, Taiwan
- P-36** The Effects of Stromal Vascular Fraction from Adipose Tissue on Rat Acute Myocardial Infarction
 Wei Zhuang¹, Liangdi Xie²
¹ Department of Cardiology, the Affiliated First Hospital, Fujian Medical University/ Fujian Hypertension Research Institute, China
² NO.4, Medical Department, the Affiliated First Hospital, Fujian Medical University/ Fujian Hypertension Research Institute, China

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Takayoshi Tsutamoto (*Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Japan*)

Vicky A. Cameron (*Christchurch Cardioendocrine Research Group, University of Otago, New Zealand*)

- P-37** Myocardial Infarction: New Prognostic Factors - Augmentation Index and Pulse Wave Velocity
 Nadezda Alexandrovna Bylova¹, Irina Mukharbekovna Plieva², Gregory Pavlovich Arutyunov¹
¹ *Internal Disease, Russian State Medical University, Russian Federation*
² *City Hospital #4, Russian Federation*
- P-38** Chronic Heart Failure: Changes of Adipose Tissue
 Nadezda Alexandrovna Bylova, Cristina Bichikovna Shavgulidze, Gregory Pavlovich Arutyunov
Internal Disease, Russian State Medical University, Russian Federation
- P-39** Autophagy Limits Acute Myocardial Infarct Expansion
 Hiromitsu Kanamori¹, Genzou Takemura², Tomonori Kawaguchi², Toshiaki Takeyama², Itta Kawamura², Kazuko Goto², Longhu Li², Hisayoshi Fujiwara³, Mitsuru Seishima¹, Shinya Minatoguchi²
¹ *Department of Informative Clinical Medicine, Gifu University Graduate School of Medicine, Japan*
² *The Second Department of Internal Medicine, Gifu University School of Medicine, Japan*
³ *Hyogo Prefectural Amagasaki Hospital, Japan*
- P-40** Three Year Follow up of a Multi Ethnic Heart Failure Cohort in Singapore with a Defined Criteria
 Kui Toh Gerard Leong, Benji Lim, Kenneth Tan, Kee Tung Tan, Sc Chai, Vs Tan, Jeremy Chow, Ping Ping Goh
Cardiology, Changi General Hospital, Singapore
- P-41** Serum Cortisol as a Cardiac Event Predictor of Patients with Chronic Heart Failure - Comparison with Aldosterone and ACTH
 Masayuki Yamaji, Takayoshi Tsutamoto, Chiho Kawahara, Keizo Nishiyama, Takashi Yamamoto, Masanori Fujii, Minoru Horie
Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Japan
- P-42** Arterial Baroreflex Control of Single-Unit Muscle Sympathetic Nerve Activity in Chronic Heart Failure with Atrial Fibrillation
 Tatsunori Ikeda, Masayuki Takamura, Hisayoshi Murai, Junichirou Inomata, Daisuke Kobayashi, Keisuke Ohtani, Shinichirou Takashima, Takeshi Katou, Hiroshi Furushou, Masaki Okajima, Shuichi Kaneko
Department of Disease Control and Homeostasis, Kanazawa University, Japan

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Hideharu Hayashi (*Department of Third Internal Medicine, Hamamatsu University School of Medicine, Japan*)

Robaayah Zambahari (*National Heart Association of Malaysia, Malaysia*)

- P-43** Outcome of Acute Decompensated Heart Failure and Acute Kidney Injury (Rifle Criteria)
 Noritake Hata, Shinya Yokoyama, Takuro Shinada, Nobuaki Kobayashi, Kazunori Tomita, Yasuhiro Takahashi, Koichi Akutsu, Akihiro Shirakabe
Division of Intensive Care Unit, Chiba Hokusoh Hospital, Nippon Medical School, Japan

- P-44** Comparison and Contrast of Findings among Acute Decompensated Heart Failure Syndromes Registries - Preliminary Data from ATTEND Registry -
 Naoki Sato¹, Katsuya Kajimoto², Michitaka Nagashima³, Kuniya Asai⁴, Masaaki Mizuno³, Yuichiro Minami³, Koji Murai¹, Ryo Munakata¹, Kyoichi Mizuno⁴, Keiji Tanaka¹, Nobuhisa Hagiwara³, Hiroshi Kasanuki³, Teruo Takano⁴
¹ Intensive and Cardiac Care Unit, Nippon Medical School, Japan
² Department of Cardiology, Shonan Dai-ichi Hospital, Japan
³ Department of Cardiology, Tokyo Women's Medical University, Japan
⁴ Department of Internal Medicine, Divisions of Cardiology, Hepatology, Geriatrics, and Integrated Medicine, Nippon Medical School, Japan
- P-46** Neurohormonal Blockade is Associated with Prevention of Cachexia in Chronic Heart Failure
 Suko Adiarto, Doni Firman, Basuni Radi, Bambang Budi Siswanto
 Department of Cardiology and Vascular Medicine, University of Indonesia, Indonesia
- P-47** Coronary Microvascular Function as a Target for Prevention of Systolic Heart Failure in Chronic Aortic Regurgitation
 Hideki Okui, Shuichi Hamasaki, Takehiko Matsushita, Sanemasa Ishida, Akiko Yoshikawa, Tetsuro Kataoka, Koji Orihara, Keishi Saihara, Takuro Shinsato, Takuro Kubozono, So Kuwahata, Shoji Fujita, Takuro Takumi, Naoya Oketani, Chuwa Tei
 Department of Cardiovascular, Respiratory and Metabolic Medicine, Graduate School of Medicine, Kagoshima University, Japan
- P-48** Music Attenuates Heart Failure Events, Plasma IL-6 and E Levels in Elderly Patients
 Akira Kurita¹, Bonpei Takase², Kaoru Okada³, Eitarou Kodani³, Yoshiki Kusama³, Hirotsugu Atarashi³
¹ Fukuinkai Clinic, A Social Welfare Corporation, Japan
² National Defense Medical College, Japan
³ Nippon Medical School, Japan

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Shin-ichiro Morimoto (Department of Cardiology, Fujita Health University School of Medicine, Japan)

Haque Sirajul K. M. H. S. (Department of Cardiology, Bangabandhu Sheikh Mujib Medical University, Bangladesh)

- P-49** Tissue Doppler Assessment of Left Ventricular Dyssynchrony Fails to Show the Prognostic Value in Patients with Systolic Heart Failure
 Hiroaki Semba, Tokuhisa Uejima, Akira Koike, Hitoshi Sawada, Tadanori Aizawa
 Department of Cardiovascular Internal Medicine, the Cardiovascular Institute Hospital, Japan
- P-50** Impact of Renin-Angiotensin System Polymorphisms on Atrial Fibrillation Associated with Heart Failure in Hypertrophic Cardiomyopathy
 Akira Funada, Hidekazu Ino, Noboru Fujino, Kenshi Hayashi, Katsuharu Uchiyama, Eiichi Masuta, Yuichiro Sakamoto, Toshinari Tsubokawa, Akihiko Muramoto, Masakazu Yamagishi
 Department of Cardiology, Kanazawa University, Japan
- P-53** Endothelial Dysfunction is Common in Patients with Acute Heart Failure and Worse Compared to Patients with Chronic Compensated HF
 Darshak H Karia, Nazmul Huda, Mohammad Z Hoque, Kinnari Murthy, Misa Sakamaki
 Department of Cardiology, Albert Einstein Medical Center, United States
- P-54** Efficacy of Adaptive-Servo Ventilation for Cheyne-Stokes Respiration with Central Sleep Apnea among Patients with Heart Failure
 Shingo Nakagawa¹, Yoshiko Nakagawa¹, Keisuke Ishimaru¹, Haruo Nakagawa¹, Takatoshi Kasai², Koji Narui²
¹ OSAS Center, Nakagawa Cardiovascular Clinic, Japan
² Sleep Center, Toranomon Hospital, Japan

Heart Failure/Myocardial Diseases 10Wednesday, May 20th, **17:20-18:20****Chairpersons:** Tsutomu Yoshikawa (*Cardiology Division, Department of Medicine, Keio University School of Medicine, Japan*)Bambang Budi Siswanto (*Indonesian Heart Association, Indonesia*)

- P-55** Serum Level of IGF1 and IGF1 Binding Protein in Patients with Acute Myocardial Infarction Treated with Percutaneous Coronary Interventions
Artur Z Pietrucha, Katarzyna Stopyra, Andrzej Paradowski, Ewa Konduracka, Marta Wegrzynowska, Danuta Mroczek-Czernecka, Wieslawa Piwowarska
Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II Hospital in Cracow, Poland
- P-56** Analysis of HR Pattern During Exercise and Prognosis of Functional Status in Patients with Acute MI Treated with Primary PCI
Artur Z Pietrucha, Katarzyna Stopyra, Mateusz Wnuk, Danuta Mroczek - czernecka, Marta Wegrzynowska, Ewa Wojewodka-Zak, Irena Bzukala, Ewa Konduracka, Wieslawa Piwowarska
Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II Hospital in Cracow, Poland
- P-57** Evaluation of Plasma Renin Activity in Acute MI Patients Treated with Primary Percutaneous Coronary Interventions
Artur Z Pietrucha, Katarzyna Stopyra, Marta Wegrzynowska, Andrzej Paradowski, Ewa Konduracka, Danuta Mroczek-Czernecka, Wieslawa Piwowarska
Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II Hospital in Cracow, Poland
- P-58** Level of Dehydroepiandrosterone Sulfate in Patients with Acute MI Treated with Primary PCI
Artur Z Pietrucha, Katarzyna Stopyra, Andrzej Paradowski, Marta Wegrzynowska, Ewa Konduracka, Danuta Mroczek-Czernecka, Wieslawa Piwowarska
Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II Hospital in Cracow, Poland
- P-59** In Patients with Heart Failure, Cardiac Troponin T is a Reliable Predictor of Long-Term Echocardiographic Changes and Adverse Cardiac Events
Kiyoto Nishi, Yukihito Sato, Tadashi Miyamoto, Ryoji Taniguchi, Rei Fukuhara, Keiichiro Yamane, Sayaka Saijo, Yohei Tanada, Erika Yamamoto, Taisuke Goto, Naoki Takahashi, Hisayoshi Fujiwara, Yoshiki Takatsu
Department of Cardiology, Hyogo Prefectural Amagasaki Hospital, Japan
- P-60** In Patients with Advanced Heart Failure, Optimal Outpatient Infusion Therapy May Lower the Length of Hospitalization and Decrease the Cost
Kiyoto Nishi, Yukihito Sato, Tadashi Miyamoto, Ryoji Taniguchi, Rei Fukuhara, Keiichiro Yamane, Sayaka Saijo, Yohei Tanada, Erika Yamamoto, Taisuke Goto, Naoki Takahashi, Hisayoshi Fujiwara, Yoshiki Takatsu
Department of Cardiology, Hyogo Prefectural Amagasaki Hospital, Japan

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Tetsuji Miura (*Second Department of Internal Medicine, Sapporo Medical University, Japan*)

Kee-Sik Kim (*Daegu Catholic University, Korea*)

- P-61** Heart Failure Causes Platelet Activation, through Impaired Endothelial Function
 Toshio Kinoshita¹, Atsushi Namiki¹, Shunsuke Kiuchi¹, Yasumichi Yamagishi¹, Toshisuke Morita², Jun-ichi Yamazaki¹
¹ *Department of Cardiology, Toho University, Japan*
² *Department of Laboratory Medicine, Toho University, Japan*
- P-62** Role of Cardiac Hormone in Enhanced Hypercapnic Chemosensitivity in Patients with Old Myocardial Infarction (OMI)
 Hiroshi Takahashi, Nagaharu Fukuma, Akiko Ushijima, Yuko Kato, Hiroko Hayashi, Hiroshi Kishida, Kyouichi Mizuno
Department of Cardiology, Nippon Medical School, Japan
- P-63** Prognosis of Heart Failure Patients with Sleep Apnea which was not Effectively Suppressed by Positive Airway Pressure Therapy
 Takatoshi Kasai¹, Koji Narui¹, Tomotaka Dohi¹, Satoshi Kasagi¹, Ken-ichi Maeno¹, Sugao Ishiwata², Minoru Ohno², Tetsu Yamaguchi², Shin-ichi Momomura³
¹ *Sleep Center, Toranomon Hospital, Japan*
² *Cardiovascular Center, Toranomon Hospital, Japan*
³ *Cardiovascular Division, Jichi Medical University Saitama Medical Center, Japan*
- P-64** Usefulness and Limitation of Cardiac Magnetic Resonance Imaging in Patients with Cardiac Sarcoidosis
 Yoshikazu Yazaki¹, Mitsuaki Horigome¹, Hirohiko Motoki², Minoru Hongo³, Uichi Ikeda², Katsumi Uehara⁴, Atsuko Ito⁴
¹ *Division of Cardiology, NHO Matsumoto Medical Center, Japan*
² *Department of Cardiovascular Medicine, Shinshu University, Japan*
³ *Shinshu University School of Allied Science, Japan*
⁴ *Division of Radiology, Aizawa Hospital, Japan*
- P-65** Relationship between Renal Function and Serum Cardiac Troponin T in Patients with Chronic Heart Failure
 Chiho Kawahara, Takayoshi Tsutamoto, Masayuki Yamaji, Keizo Nishiyama, Takashi Yamamoto, Masanori Fujii, Minoru Horie
Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Japan

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Wednesday, May 20th, **17:20-18:20**

Chairpersons: Sachio Kawai (*Juntendo University School of Medicine, Japan*)

Satish K. Parashar (*Metro Hospitals & Heart Institute, India*)

- P-66** Adaptive Servo Ventilation Improves Cardiac Function in Heart Failure with Cheyne-Stokes Respiration
 Akiomi Yoshihisa, Hitoshi Suzuki, Takamasa Sato, Shuichi Saito, Toshiyuki Ishibashi, Yasuchika Takeishi
First Department of Internal Medicine, Fukushima Medical University, Japan
- P-67** Comparisons of Therapies with Oxygen and Adaptive Servo Ventilation for Cheyne-Stokes Respiration in Patients with Heart Failure
 Akiomi Yoshihisa, Takamasa Sato, Hitoshi Suzuki, Shuichi Saito, Toshiyuki Ishibashi, Yasuchika Takeishi
First Department of Internal Medicine, Fukushima Medical University, Japan

- P-68** Perceptions Towards Heart Failure and its Treatment: A Qualitative Exploratory Study among Readmitted Patients in Malaysia
 Chiau Ming Long¹, Mohamed Azmi Hassali², Omar Ismail³
¹ Faculty of Pharmacy, University of Technology MARA, Malaysia
² Discipline of Social and Administrative Pharmacy, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Malaysia
³ Department of Cardiology, Penang General Hospital, Ministry of Health, Malaysia
- P-69** Effect of Waon Therapy on Oxidative Stress in Patients with Chronic Heart Failure
 Shoji Fujita¹, Masaaki Miyata¹, Takashi Kihara¹, Tsuyoshi Fukudome¹, Takuro Shinsato¹, Takuro Kubozono¹, So Kuwahata¹, Tsuyoshi Yamaguti², Shuichi Hamasaki¹, Hiroyuki Torii², Chuwa Tei¹
¹ Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan
² Kagoshima City Medical Association Hospital, Japan
- P-70** Waon Therapy Improves the Prognosis of Patients with Chronic Heart Failure
 Masaaki Miyata¹, Takashi Kihara¹, Tsuyoshi Fukudome¹, Yoshiyuki Ikeda¹, Takuro Shinsato¹, Takuro Kubozono¹, Shoji Fujita¹, So Kuwahata¹, Shuichi Hamasaki¹, Hiroyuki Torii², Soki Lee³, Hitoshi Toda³, Chuwa Tei¹
¹ Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan
² Department of Cardiology, Kagoshima City Medical Association Hospital, Japan
³ Department of Cardiology, Kagoshima City Hospital, Japan

Heart Failure/Myocardial Diseases 13

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Genzou Takemura (*Gifu University Graduate School of Medicine, Japan*)

Shing-Jong Lin (*Division of Cardiology, Taipei Veterans General Hospital / National Yang-Ming University, Taiwan*)

- P-72** Combination Therapy with Carperitide and Furosemide Promotes Natriuresis in Patients with Heart Failure
 Tomoaki Saeki, Seiichiro Sakata, Sumiyo Yamashita, Kaoru Asada, Kazuaki Wakami, Hidekatsu Fukuta, Shuichi Kitada, Koutaro Morimoto, Shogo Suzuki, Nobuyuki Ohte, Genjiro Kimura
Cardio-Renal Medicine and Hypertension, Nagoya City University Graduate School of Medical Sciences, Japan
- P-73** The Effect of Carperitide on Cardiac Autonomic Activity with Advanced and Continuous Noise-Adjusted Power Spectral Analysis
 Fumio Okamoto, Ko Hidani, Akira Kimata, Koji Otsuka, Haruhiko Onaka
Department of Cardiology, Takatsuki Red-Cross Hospital, Japan
- P-74** Combination of Low-Dose Trichlormethiazide with Conventional-Dose Furosemide Promotes Natriuresis in Patients with Refractory Heart Failure
 Tomoaki Saeki, Kazuaki Wakami, Seiichiro Sakata, Sumiyo Yamashita, Kaoru Asada, Hidekatsu Fukuta, Seiji Mukai, Shuichi Kitada, Koutaro Morimoto, Shogo Suzuki, Nobuyuki Ohte, Genjiro Kimura
Cardio-Renal Medicine and Hypertension, Nagoya City University Graduate School of Medical Sciences, Japan
- P-75** Heart Transplantation in Patients with Diabetes Mellitus
 Yoshifumi Ikeda¹, Gero Tenderich², Armin Zittermann², Toshihiro Muramatsu¹, Shigeyuki Nishimura¹, Kazutomo Minami², Reiner Koerfer²
¹ Department of Cardiology, Saitama Medical University, Japan
² Department of Cardiac Surgery, Heart and Diabetes Center NRW Bochum University, Germany

Heart Failure/Myocardial Diseases 14Wednesday, May 20th, **17:20-18:20**

Chairpersons: Ryosuke Nishio (*Division of Emergency Medicine, Kyoto University Hospital, Japan*)
Jeffrey Towbin (*University of Cincinnati College of Medicine/ Cincinnati Children's Hospital Medical Center, United States*)

- P-76** Demonstrating the Pharmacogenetic Effects of Angiotensin-Converting Enzyme Inhibitors on Long-Term Prognosis of Diastolic Heart Failure
Cho-Kai Wu¹, Chia-Ti Tsai¹, Yin-Tsen Huang², Jou-Wei Lin¹, Juey-Jen Hwang¹, Fu-Tien Chiang¹
¹ *Department of Cardiology, National Taiwan University Hospital, Taiwan*
² *Department of Family Medicine, Mackay Memorial Hospital, Taiwan*
- P-77** Beta-Blocker Therapy Improves Diastolic Function Even without the Changes in Systolic Function in Patients with Reduced Ejection Fraction
Shunsuke Tamaki, Yasushi Sakata, Toshiaki Mano, Tomohito Ohtani, Yasuharu Takeda, Daisuke Kamimura, Yosuke Omori, Kazuhiro Yamamoto
Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Japan
- P-78** Effects of Carvedilol on Sympathetic Nervous System in Patients with Chronic Heart Failure
Shigeru Takechi¹, Maiko Machida², Masaya Watanabe¹, Tetsuya Fujimoto², Shigeo Kakinoki³, Akikazu Nomura²
¹ *Department of Cardiovascular Medicine, Date Redcross Hospital, Japan*
² *Hokkaido College of Pharmacy, Japan*
³ *Otarukyoukai Hospital, Japan*
- P-79** Differential Effects of Carvedilol and Metoprolol on Renal Function in Patients with Heart Failure
Hiroyuki Ito¹, Yuji Nagatomo¹, Takashi Kohno¹, Toshihisa Anzai¹, Tomomi Meguro², Satoshi Ogawa¹, Tsutomu Yoshikawa¹
¹ *Cardiology Division, Department of Medicine, Keio University School of Medicine, Japan*
² *Tokyo Electric Power Company Hospital, Japan*
- P-80** Effects of Lymphangiogenic Factors on Left Ventricular Function in Heart Diseases
Ryosuke Nishio¹, Hajime Kubo², Kaoru Koike¹, Akira Matsumori³
¹ *Division of Emergency Medicine, Kyoto University Hospital, Japan*
² *Department of Surgery, Kyoto University Graduate School of Medicine, Japan*
³ *Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Japan*

POSTER SESSIONS 2**Annex Hall 1****Imaging 1**Wednesday, May 20th, **17:20-18:20**

Chairpersons: Fumitaka Ohsuzu (*Division of Cardiology, Department of Internal Medicine, National Defense Medical College, Japan*)
Kui Hian Sim (*Department of Cardiology, Sarawak General Hospital, Malaysia*)

- P-81** The Relationship between T Wave Polarity and Clinical as Well as Angiographic Findings in the Early Stage Myocardial Infarction
Khaled Mohamed Mostafa, Khaled Elmenawy, Mohamed Amin, Basem Enany
Cardiology, Ainshams University, Egypt
- P-82** Relation between Functional Stenosis and Tissue Characterization of Moderate Coronary Plaque with Patients of Stable Coronary Heart Disease
Shinichiro Tanaka, Toshiyuki Noda, Tomonori Segawa, Shintaro Abe, Reiko Matsuoka, Yoshiaki Goto, Tomoko Hirose, Takashi Katou, Tai Kojima, Shunichiro Warita, Takeshi Hirose, Makoto Iwama, Koji Ono, Haruki Takahashi, Sachiro Watanabe
Department of Cardiology, Gifu Prefectural General Medical Center, Japan

- P-83** Evaluation of Multiple Coronary Artery Aneurysms in Kawasaki's Disease by Whole Heart Non-Contrast Enhanced MRI
 Osama L Gomaa¹, Tarinee Tangcharoen², Thomas Kokocinski², Bernhard Schnackenburg², Fleck Eckart², Eike Nagel²
¹ Jackson Memorial Hospital/ University of Miami, United States
² German Heart Center Berlin, Germany
- P-84** ECG Strain Pattern is Related to Endo/ Epimyocardial Radial Strain Ratio and Coronary Flow Velocity Reserve in Hypertensive Patients
 Yu Arita, Kumiko Hirata, Nobuo Nakamura, Hideyuki Ikejima, Keishi Okochi, Hiroto Tsujioka, Akio Kuroi, Hideaki Kataiwa, Kenichi Komukai, Takashi Tanimoto, Hironori Kitabata, Shigeo Takarada, Masato Mizukoshi, Atsushi Tanaka, Toshio Imanishi, Takashi Akasaka
 Department of Cardiology, Wakayama Medical University, Japan
- P-85** Clinical Significance of Bizarre Pulsatile Motion of Carotid Artery Plaque Visualized by Carotid Sonography
 Taisei Mikami¹, Mutsuko Muraki¹, Hisao Onozuka¹, Tetsuyuki Yoshimoto², Mayumi Kitaguchi², Tomoko Sugawara², Takeshi Yoshizumi², Tomohide Shirasaka², Shin Fujimoto², Kohichi Tokuda², Sadao Kaneko², Takeshi Kashiwaba², Ayumu Abe¹, Satoshi Yamada¹, Hiroyuki Tsutsui³
¹ Faculty of Health Sciences, Hokkaido University, Japan
² Kashiwaba Neurosurgery Hospital, Japan
³ Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan
- P-86** Incidence of Asymptomatic Coronary Artery Disease in Patients Undergoing AF Ablation- Usefulness of Measuring Coronary Artery Calcium Scores
 Reginald Liew, Truong Son Pham, See Hooi Ewe, Chi Keong Ching, Li Fern Hsu, Wee Siong Teo, Swee Yaw Tan
 Department of Cardiology, National Heart Centre, Singapore

Imaging 2

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Isao Kubota (Yamagata University, Japan)

Jae-Kwan Song (Asan Medical Center, University of Ulsan College of Medicine, Korea)

- P-87** Correlation of hsCRP with Coronary Calcium in an Asymptomatic Male Population
 Swee Yaw Tan¹, Felix Keng¹, John Huang², Foong Koon Cheah², Ph Tan³, Jason See³, Terrance Chua¹
¹ Cardiology, National Heart Centre, Singapore
² Department of Radiology, Singapore General Hospital, Singapore
³ HQ Medical Services, Singapore Armed Forces, Singapore
- P-88** The Predictive Factors of Poor Coronary Angiograms Using 3 Fr Catheters
 Taku Iwaki, Tsuyoshi Nozue, Ichiro Mizuguchi, Motohiro Miura, Ichiro Michishita
 Department of Internal Medicine, Yokohama Sakae Kyosai Hospital, Japan
- P-89** Detection of Coronary Artery Disease Using Strain and Strain Ratio Obtained Five Minutes after the Termination of Treadmill Stress Test
 Woo-Shik Kim, Se-Bin Song, Suk Yeon Kim, Il Suk Sohn, Soo Joong Kim, Myeong Kon Kim, Jong-Hoa Bae, Kwon Sam Kim
 Division of Cardiology, Department of Internal Medicine, College of Medicine, Kyung Hee University, Korea
- P-90** Imaging of Coronary Artery Anomaly Using Multidetector Computed Tomography
 So Yeon Kim¹, Kee Sik Kim¹, Young Soo Lee¹, Jin Bae Lee¹, Jae Kean Ryu¹, Ji Young Choi¹, Sung-Gug Chang¹, Sung Hee Moon²
¹ Department of Cardiology, Daegu Catholic University, Korea
² Division of Radiology, Daegu Catholic University, Korea
- P-91** The Difference of Right Ventricular Morphology between Atrial Septal Defect and Acute Pulmonary Thromboembolism
 So Yeon Kim, Young Soo Lee, Jin Bae Lee, Jae Kean Ryu, Ji Young Choi, Sung-Gug Chang, Kee Sik Kim
 Department of Cardiology, Catholic University, Korea

- P-92** Accuracy and Safety of Gd-DOTA Enhanced MRA Compared to Non-Enhanced TOF MRA at 3 Tesla in the Diagnosis of Non-Coronary Arterial Disease

Joon-Won Kang¹, Tae-Hwan Lim¹, Choong Gon Choi¹, Gi-Young Ko¹, Jeong Kon Kim¹, Tae-Won Kwon²

¹ Department of Radiology, Asan Medical Center, Korea

² Division of Vascular Surgery, Department of Surgery, Asan Medical Center, Korea

Imaging 3

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Tetsunori Saikawa (Department of Clinical Examination and Diagnostics, Faculty of Medicine, Oita University, Japan)

Tsui-Lieh Hsu (Taipei Veterans General Hospital, Taiwan)

- P-93** Normal Left Ventricular Diastolic Doppler Reference Values among Filipinos
Arnold Santos de Guzman, Loewe Go
Heart Institute, St Luke's Medical Center, Philippines
- P-94** Heterogeneity of Left Ventricular Regional Radial and Circumferential Strains in Baseline Mice Heart Model
Yacui Gu¹, Thu Thao Le¹, Shirhan Mohamed¹, Khoo Kiong Lim¹, Winston Shim¹, Philip Wong², Kyaw Thu Moe¹
¹ Research and Development Unit, National Heart Centre of Singapore, Singapore
² Department of Cardiology, National Heart Centre of Singapore, Singapore
- P-95** Pre-Ejection Flow Wave: A New Marker of Increased Left Ventricular Diastolic Filling Pressure
Jose Dangsi Beswilan¹, Edwin S. Tucay², Mildred P. Sayco²
¹ Department of Cardiology, Notre Dame de Chartres Hospital, Philippines
² Division of Non-Invasive Cardiology, Philippine Heart Center, Philippines
- P-96** Relationship of Endothelial and Left Ventricular Diastolic Function and Microvascular Complications in Diabetes Mellitus Type 2 Patients
Zarina Guevarra Lorenzo, Maureen V Valentin, Maria Honolina S Gomez, Alvin C Lim
Cardiology, University of Santo Tomas Hospital, Philippines
- P-97** Non-Invasive Measurement of LVEDP by Color M-mode Echocardiography and Doppler Pre Ejection Flow Wave Velocity
Felibert Olila Dianco, Jose Beswilan, Edwin Tucay
Department of Adult Cardiology-Non Invasive Section, Philippine Heart Center, Philippines
- P-98** Non-Invasive Assessment of LVEDP in Patients with Chronic AI by CW Doppler Echocardiography
Maryam Esmaeilzadeh¹, Maryam Hamidzad¹, Majid Kiavar¹, Fatemeh Esmaeilzadeh², Hooman Bakhshandeh¹
¹ Echocardiography, Shaheed Rajaei Cardiovascular Medical and Research Center, Iran
² Milad Hospital, Iran

Imaging 4

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Shoichi Senda (Faculty of Medicine, Kagawa University, Japan)

Dae-Won Sohn (Department of Internal Medicine, Seoul National University College of Medicine, Korea)

- P-99** Is the Peak to Mean Pressure Gradient Ratio Useful for Assessment of Aortic Valve Prosthesis Obstruction?
Maryam Esmaeilzadeh, Ahmad Mirdamadi, Mozhgan Parsaee, Niloufar Samiei, Anita Sadeghpour, Zahra Ojaghi Haghghi, Feridoun Noohi, Majid Maleki, Ahmad Mohebbi, Hooman Bakhshandeh
Echocardiography, Shaheed Rajaei Cardiovascular Medical and Research Center, Iran

- P-100** Prognostic Implications of Myocardial Performance Index (Tei Index) among Patients with Acute Coronary Syndrome
 Gertie May Bernabe Plameras¹, Maureen V. Valentin², Crismelita M. Banez²
¹ Department of Internal Medicine, University of Santo Tomas Hospital, Philippines
² Philippine Heart Association, Philippines
- P-101** Acquired Pulmonary Stenosis Caused by Pulmonary Artery Thromboemboli. The Role of Transesophageal Echocardiography
 Thai Kim Nguyen, Linh Huu Le
 Department of Cardiology, Medic Medical Center, Vietnam
- P-102** Enhanced Detection and Differentiation of Interatrial Shunts by Transthoracic Saline Contrast Echocardiography
 Yat Yin Lam, Cheuk Man Yu, Wai Kwok Gabriel Yip
 Medicine and Therapeutics, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong
- P-103** Differentiating Features of Left Ventricular Postsystolic Shortening in Hypertension Versus Ischemic Heart Disease
 Ping Ping Goh¹, Pearlie Leong², Tek Seong Chee¹
¹ Department of Cardiology, Changi General Hospital, Singapore
² Clinical Measurement Unit, Changi General Hospital, Singapore
- P-104** Area Measurements Improve the Reproducibility of Left Ventricular Volumes and Ejection Fraction Determined Using the Teichholz Formula
 Carol J Salton, Jonathan H Chan, Joyce Meng, Warren J Manning, Michael L Chuang
 Division of Cardiovascular Medicine, Harvard Medical School/ Beth Israel Deaconess Medical Center, United States

Imaging 5

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Mareomi Hamada (Division of Cardiology, Uwajima City Hospital, Japan)
 Terrance Chua (Department of Cardiology, National Heart Centre, Singapore)

- P-105** Impact of Left Atrial Remodeling after Successful Mitral Ballon Valvuloplasty on Long-Term Clinical Outcome
 Kyung Hee Kim, Yong-Jin Kim, Sung-A Chang, Hyung-Kwan Kim, Dae-Won Sohn
 Department of Cardiology, Seoul National University, Korea
- P-106** Inter-Atrial Dyssynchrony Worsened Atrial Function in Sinus Node Disease with or without Paroxysmal Atrial Fibrillation
 Mei Wang, Chu-Pak Lau, Xue-Hua Zhang, Chung-Wah Siu, Kathy Lf Lee, Hung-Fat Tse
 Medicine, The University of Hong Kong, Hong Kong
- P-107** Assessment of Myocardial Contractility by Speckle-Tracking Imaging in Patients with Mitral Stenosis who Underwent Balloon Mitral Valvotomy
 Renan Sukmawan, Amiliana Mardiani Soesanto, Muhammad Munawar, Ario Suryo, Lies Dina Liastuti, Ganesja Mulia Harimurti
 Department of Cardiology and Vascular Medicine, University of Indonesia/ Harapan Kita National Cardiovascular Center, Indonesia
- P-108** Pocket-Sized Transthoracic Echocardiographic Imaging Device for the Measurement of Cardiac Chamber Sizes and Function
 Hiromi Fujimoto¹, Shota Fukuda¹, Kenei Shimada¹, Toshihiro Kawasaki¹, Kumiko Maeda¹, Hitoshi Inanami¹, Ken Yoshida¹, Satoshi Jissho¹, Haruyuki Taguchi¹, Minoru Yoshiyama², Junichi Yoshikawa¹
¹ Department of Medicine, Osaka Ekisaikai Hospital, Japan
² Department of Internal Medicine and Cardiology, Osaka City University School of Medicine, Japan

P-109 Mitral Valve Motion and Mitral Inflow Dynamics in Aortic Regurgitation, with Reference to the Relation with Regurgitant Jet Direction

[Satofumi Morishita](#), Nobuo Fukuda, Yamato Fukuda, Koichi Sakabe, Hisanori Shinohara, Yoshiyuki Tamura
Department of Cardiology, National Hospital Organization Zentsuji Hospital, Japan

P-110 Can Atrial Volume Assessment Improve Prediction of Outcomes Following Catheter Ablation for Atrial Fibrillation?

[Seng Chye Chuah](#), See-Hooi Ewe, Li-Fern Hsu
Department of Cardiology, National Heart Centre, Singapore

Imaging 6

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Yasushi Kitaura (*The 3rd Department of Internal Medicine, Osaka Medical College, Japan*)
Tae Hwan Lim (*Asan Medical Center, Korea*)

P-111 Comparison of 3-D Mitral Valve Area Measurements with Non-Invasive and Invasive Methods before Percutaneous Transmitral Commissurotomy

[Maria Cristina Tordecilla Atienza](#), Edwin S. Tucay, Felibert O. Dianco, Aileen C. Senga
Department of Adult Cardiology, Non-Invasive Division, Philippine Heart Center, Philippines

P-112 Relationship between Coronary Arterial Remodeling and Fibrous Cap Thickness in Patients with Acute Coronary Syndrome

[Manabu Kashiwagi](#), Atsushi Tanaka, Hironori Kitabata, Takashi Tanimoto, Shigeho Takarada, Takashi Kubo, Kumiko Hirata, Nobuo Nakamura, Masato Mizukoshi, Toshio Imanishi, Takashi Akasaka
Department of Cardiovascular Medicine, Wakayama Medical University, Japan

P-113 The Characterization of Atherosclerotic Plaque of Patients with UAP and SAP Visualized by Optical Coherence Tomography

[Xizhe Zhao](#), Buxing Chen
Department of Cardiology, Beijing Electric Power Hospital, China

P-114 Impact of Capability of Fatty Acid Imaging to Predict Vulnerable Patients Post Myocardial Infarction

[Shigeru Fukuzawa](#), Shun Ozawa, Masayuki Inagaki, Juji Sugioka, Shinichi Okino, Atsushi Ikeda, Souichiro Ichikawa, Junpei Maekawa, Takasi Uchiyama
Division of Cardiology, Funabashi Municipal Medical Center, Japan

P-115 Diastolic Stunning Following Acute Myocardial Infarction: Role of Conventional Echocardiography

[Shankar Kumar Biswas](#)¹, Masayoshi Sarai¹, Akira Yamada¹, Kunihiko Sugimoto², Hiroyuki Naruse¹, Masatsugu Iwase¹, Hitoshi Hishida¹, Yukio Ozaki¹
¹ *Department of Cardiology, Fujita Health University Hospital, Japan*
² *Joint Research and Clinical Laboratory, Fujita Health University Hospital, Japan*

P-116 Impact of Defect Score and Washout Rate of 123I-BMIPP on Left Ventricular Functional Recovery Following Acute Myocardial Infarction

[Shankar Kumar Biswas](#)¹, Masayoshi Sarai¹, Hiroshi Toyama², Akira Yamada¹, Sadako Motoyama¹, Hiroto Harigaya¹, Tomonori Hara¹, Hiroyuki Naruse¹, Hitoshi Hishida¹, Yukio Ozaki¹
¹ *Department of Cardiology, Fujita Health University Hospital, Japan*
² *Nuclear Medicine Division, Department of Radiology, Fujita Health University Hospital, Japan*

Imaging 7

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Youichi Kobayashi (*Division of Cardiology, Department of Medicine, Showa University School of Medicine, Japan*)

Lieng H. Ling (*Cardiac Department, National University of Singapore, Singapore*)

- P-117** Role of 64 Multi-Detector Computed Tomography in Congenital Heart Diseases
 Son Phi Duong, Vu Tuan Nguyen, Trinh Xuan Nguyen, Hai Thanh Phan
Department of Cardiology, Medic Medical Center, Vietnam
- P-118** Single Left Coronary Artery Described by 64-Slice MSCT
 Trinh Xuan Nguyen, Vu Tuan Nguyen, Hai Thanh Phan
Department of Cardiology, Medic Medical Center, Vietnam
- P-119** Ethnic Differences in Coronary Artery Calcification in Singapore
 Pow-Li Chia, Raymond Lee, Kheng Thye Ho
Department of Cardiology, Tan Tock Seng Hospital, Singapore
- P-120** Stratification of Adults by Pericardial Fat Thickness Using Cardiovascular Magnetic Resonance: The Framingham Heart Study
 Michael Chuang¹, Noriko Oyama², Philimon Gona³, Carol J Salton¹, Rahul R Jhaveri¹, Daniel Levy⁴, Christopher J O'donnell⁴, Warren J Manning¹
¹ *Division of Cardiology, Harvard Medical School/ Beth Israel Deaconess Medical Center, United States*
² *Department of Radiology, Hokkaido University, Japan*
³ *The Framingham Heart Study and the Department of Statistics, Boston University, United States*
⁴ *The Framingham Heart Study, United States*
- P-121** Association of ST Segment Depression > 5 Min after Exercise Testing with Severity of Coronary Artery Disease
 Faiza Malik, Ayaz Hussain Shaikh, Bashir Hanif
Department of Cardiology, Tabba Heart Institute, Pakistan
- P-122** Decreased High Molecular Weight Adiponectin Level is Associated with Unstable Coronary Plaques as Detected by 64-Multidetector Computed Tomography
 Eiji Kunita¹, Hideya Yamamoto¹, Hiroto Utsunomiya¹, Toshiharu Oka¹, Ryo Yamazato¹, Norihiko Ohashi¹, Toshiro Kitagawa¹, Jun Horiguchi², Katsuhide Ito², Yasuki Kihara¹
¹ *Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical Science, Japan*
² *Radiology, Hiroshima University Graduate School of Biomedical Science, Japan*

Imaging 8

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Samon Koyanagi (*NHO Miyakonojo Hospital, Japan*)

Jong-Won Ha (*Cardiology Division, Yonsei University College of Medicine, Korea*)

- P-123** Pharmacological Stress with Adenosine in Myocardial Perfusion Imaging: Experience in Bangladesh
 Syed Mahabub Ebna Al Baker¹, Haque Sirajul K. M. H. S.¹, Mohammad Mukhlesur Rahman¹, Md. Khurshed Ahmed¹, Tanzima Parvin¹, Lutfun Nisa², Faria Nasreen²
¹ *Department of Cardiology, Bangabandhu Sheikh Mujib Medical University, Bangladesh*
² *Department of Nuclear Cardiology, Institute of Nuclear Medicine & Ultrasound, BSMMU, Bangladesh*

P-124 Detection of Viable Myocardium of Coronary Artery Disease (CAD) after Old MI by DSE and Gated SPECT MPI

Golam Azam Md.¹, Sajal Krishna Banerjee², Haque Sirajul K. M. H. S.², Md. Mokhlesur Rahman², Chowdhury Meshkat Ahmed², Nasreen Sultana³, Lutfun Nessa³, Mohammad Salman²

¹ Department of Cardiology, National Institute of Cardiovascular Diseases and Hospital (NICVD), Bangladesh

² Department of Cardiology, Bangabandhu Sheikh Mujib Medical University, Bangladesh

³ Institute of Nuclear Medicine and Ultrasound, BSMMU, Bangladesh

P-125 Correlation of Duke Treadmill Score with Gated SPECT-MPI (Myocardial Perfusion Imaging) in Patients Referred for Chest Pain Evaluation

Ayaz Hussain Shaikh, Faiza Malik, Bashir Hanif, Khursheed Hassan, Adnan Amin, Shamim Siddiqui
Department of Cardiology, Tabba Heart Institute, Pakistan

P-126 Diagnosis of Cardiac Amyloidosis with Quantitative Analysis of Myocardial Technetium-99m-Pyrophosphate Scintigraphy

Nobuhiro Kodani¹, Yutaka Ishibashi¹, Kana Tojo², Nobuyuki Takahashi¹, Jun Kitamura¹, Hidetoshi Satoh¹, Hiroyuki Yoshitomi¹, Shu-ichi Ikeda², Kazuaki Tanabe¹

¹ The 4th Department of Internal Medicine, Shimane University Faculty of Medicine, Japan

² The 3rd Department of Internal Medicine, Shinshu University School of Medicine, Japan

P-127 Lutembacher Syndrome and Persistent Left Superior Vena Cava in a Young Female

Michael-Joseph F. Agbayani, Gay Marjorie M. Obrado
Department of Internal Medicine, Section of Cardiology, Philippine General Hospital, Philippines

POSTER SESSIONS 3**Annex Hall 1****Cardiovascular Surgery 1**

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Kimikazu Hamano (Department of Surgery and Clinical Science, Division of Cardiac Surgery, Yamaguchi University Graduate School of Medicine, Japan)
Pantpis Sakornpant (Rajavithi Hospital, Thailand)

P-128 Mitral Complex Reconstruction for Functional Mitral Regurgitation- Direction of Papillary Muscle Suspension

Yasushige Shingu¹, Satoshi Yamada², Noriyoshi Ebuoka¹, Takashi Sugiki¹, Kinya Matsui¹, Satoru Wakasa¹, Tomonori Ooka¹, Tsuyoshi Tachibana¹, Tomoji Yamakawa¹, Suguru Kubota¹, Norihiko Shiiya¹, Hiroyuki Tsutsui², Yoshiro Matsui¹

¹ Department of Cardiovascular Surgery, Hokkaido University, Japan

² Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan

P-129 Influence of Diabetes Mellitus on Long-Term Clinical and Angiographic Results after Off-Pump Coronary Artery Bypass

Ho Young Hwnag, Jun Sung Kim, Ki-Bong Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Korea

P-130 Left Ventricular Perivalvular Pseudoaneurysm after Infective Endocarditis of the Mitral Valve

Pavol Chnupa¹, Juraj Dubrava², Iveta Simkova¹

¹ Noninvasive Cardiology, National Institute of Cardiovascular Diseases, Slovakia

² St. Cyril and Method Faculty Hospital, Slovakia

P-131 Mitral Regurgitation in Chronic Anterior Myocardial Infarction: Results Following Surgical Ventricular Restoration and Mitral Repair

Marisa Di Donato, Serenella Castelvechio, Lorenzo Menicanti
Cardiac Surgery, San Donato Hospital, Italy

- P-132** Mid-Term Result of Right Atrial Isolation for Atrial Fibrillation or Flutter in Adult Congenital Heart Disease
 Masahide Chikada, Haruo Makuuchi, Toshiya Koabayashi, Hiroshi Murakami, Takamaro Suzuki, Takashi Ando, Hirokuni Ono, Tokuichiro Nagata, Misa Kougo
Department of Cardiovascular Surgery, St. Marianna University, Japan

Cardiovascular Surgery 2

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Kazunobu Nishimura (*Cardiovascular Surgery, Takamatsu Redcross Hospital, Japan*)
 Indriwanto Sakidjan (*National Cardiovascular Center Harapan Kita, Indonesia*)

- P-133** Surgical Ventricular Restoration for Ischemic Cardiomyopathy in the Elderly
 Marisa Di Donato, Serenella Castelvechio, Vincenzo Montericcio, Lorenzo Menicanti
Cardiac Surgery, San Donato Hospital, Italy
- P-134** Mannequin-Guided Left Ventricular Restoration: Mid Term Clinical Outcome
 Marisa Di Donato, Serenella Castelvechio, Vincenzo Montericcio, Alessandro Frigiola, Lorenzo Menicanti
Cardiac Surgery, San Donato Hospital, Italy
- P-135** Surgical Strategy for Ischemic Cardiomyopathy Based on the Assessment of Myocardial Viability by Late-Enhancement Magnetic Resonance Imaging
 Mitsugu Ogawa, Kiyoshi Doi, Kazunari Okawa, Masahiro Dohi, Kimihiro Kitani, Hidetake Kawajiri, Hitoshi Yaku
Cardiovascular Surgery, Kyoto Prefectural University of Medicine, Japan
- P-136** The Relationship between Endothelin Levels in Pericardial Fluid and Cardiac Function of Patients with Rheumatic Heart Diseases
 Jielin Liu, Shaojun Wen, Zuoguang Wang, Ya Liu
Department of Hypertension Research, Capital Medical University, China
- P-137** Surgical Management of MAPCA: Mid- to Long-Term Outcome
 Yasuhiro Fujii¹, Shunij Sano¹, Yasuhiro Kotani¹, Yoichi Inoue¹, Sadahiko Arai¹, Shingo Kasahara¹, Shinichi Otsuki², Teiji Akagi³
¹ *Department of Cardiovascular Surgery, Okayama University Hospital, Japan*
² *Department of Pediatrics, Okayama University Hospital, Japan*
³ *Department of Cardiac Care Unit, Okayama University Hospital, Japan*

Cardiovascular Surgery 3

Wednesday, May 20th, **17:20-18:20**

Chairpersons: Taiko Horii (*Department of Cardiovascular Surgery, Kagawa University, Japan*)
 Shu-Hsun Chu (*Far Eastern Memorial Hospital and National Taiwan University Hospital, Taiwan*)

- P-138** Pre-Operative Serum Adiponectin Level Predicts In-Hospital Mortality and Late Adverse Events after CABG Surgery in Patients with CAD
 Shih-Hsien Sung, Tao-Cheng Wu, Shing-Jong Lin, Jaw-Wen Chen
Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital, Taiwan
- P-139** Comparison of Radial Artery Patency According to Proximal Anastomosis Site: Direct Versus Composite Grafting
 Joon-Won Kang¹, Sung-Ho Jung¹, Hyun Song², Suk Hung Choo², Hyung Gon Je², Cheol Hyun Chung², Jae Won Lee², Tae-Hwan Lim¹
¹ *Department of Radiology, Asan Medical Center, Korea*
² *Department of Thoracic and Cardiovascular Surgery, Korea*

- P-140** Thoracic/Thoracoabdominal Aortic Repair in Patients with Chronic Renal Failure on Hemodialysis
[Hideyuki Shimizu](#), Naritaka Kimura, Misato Kobayashi, Ryo Suzuki, Hirofumi Kasahara, Tatsuo Takahashi, Osamu Ishida, Kentaro Yamabe, Hiroyuki Kawajiri, Ryohei Yozu
Department of Cardiovascular Surgery, Keio University, Japan
- P-141** Long-Term Outcome after Aortic Valve Replacement for Chronic Severe Aortic Regurgitation with Left Ventricular Dysfunction
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