

## Basic Science/Translational Medicine 1

Thursday, May 21st, 17:10-18:10

**Chairpersons:** Ichiro Shiojima (*Department of Cardiovascular Medicine, Osaka University, Graduate School of Medicine, Japan*)Hung-I Yeh (*Taipei Medical University, Mackay Memorial Hospital, Taiwan*)**P-142** Interleukin-6 Inhibits eNOS Activation by Increasing Caveolin-1 Half-Life and its Binding with eNOS in Vascular Endothelial CellsMing-Jui Hung<sup>1</sup>, Wen-Jin Cherng<sup>1</sup>, Ming-Yow Hung<sup>2</sup>, Hsiao-Ting Wu<sup>2</sup>, Jong-Hwei S Pang<sup>2</sup><sup>1</sup> *Section of Cardiology, Department of Medicine, Chang Gung Memorial Hospital at Keelung, Chang Gung University College of Medicine, Taiwan*<sup>2</sup> *Graduate of Clinical Medical Sciences, College of Medicine, Chang Gung University, Taiwan***P-143** Significance of Soluble VEGF Receptor-2 in Cardiovascular DiseaseHiromichi Wada<sup>1</sup>, Noriko Satoh<sup>2</sup>, Koh Ono<sup>3</sup>, Tatsuya Morimoto<sup>1</sup>, Tameo Nakano<sup>4</sup>, Masatoshi Fujita<sup>5</sup>, Akira Shimatsu<sup>6</sup>, Koji Hasegawa<sup>1</sup><sup>1</sup> *Division of Translational Research, National Hospital Organization Kyoto Medical Center, Japan*<sup>2</sup> *Division of Metabolic Research, National Hospital Organization Kyoto Medical Center, Japan*<sup>3</sup> *Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Japan*<sup>4</sup> *Department of Cardiovascular Medicine, National Hospital Organization Kyoto Medical Center, Japan*<sup>5</sup> *Human Health Sciences, Kyoto University Graduate School of Medicine, Japan*<sup>6</sup> *Clinical Research Institute, National Hospital Organization Kyoto Medical Center, Japan***P-144** Tacrolimus-Eluting Stent Inhibits Neointimal Hyperplasia via Calcineurin/NFAT Signaling in Porcine Coronary Artery Model

Narisato Hamada, Masaaki Miyata, Hideyuki Eto, Takahiro Shirasawa, Aya Nagaki, Takahiro Miyauchi, Yuko Furusho, Chuwa Tei

*Department of Cardiovascular, Respiratory and Metabolic Medicine, Graduate School of Medicine, Kagoshima University, Japan***P-145** Nanoparticle Mediated Hypoxia-Regulated Vascular Endothelial Growth Factor-165 Gene Transfection with Myoblasts for Cardiac RepairLiping Su<sup>1</sup>, Lei Ye<sup>2</sup>, Wei Zhang<sup>2</sup>, Khh Haider<sup>3</sup>, Kian Keong Poh<sup>4</sup>, Mary Joyce<sup>4</sup>, Juan Zhang<sup>4</sup>, Geronica Songco<sup>4</sup>, Eugene Kw Sim<sup>5</sup><sup>1</sup> *Research & Development, National Heart Centre, Singapore*<sup>2</sup> *National University of Singapore, Singapore*<sup>3</sup> *University of Cincinnati, United States*<sup>4</sup> *National University Hospital, Singapore*<sup>5</sup> *National University of Singapore, Singapore & Gleneagles JPMC Cardiac Center, Brunei Darussalam***P-146** Amlodipine Induces P21 (Waf1/CIP1) through PKD1-related Pathway in Human Coronary Artery Smooth Muscle CellsTakayoshi Ohba<sup>1</sup>, Hiroyuki Watanabe<sup>2</sup>, Manabu Murakami<sup>1</sup>, Kyoichi Ono<sup>1</sup>, Hiroshi Ito<sup>2</sup><sup>1</sup> *Department of Physiology, Akita University School of Medicine, Japan*<sup>2</sup> *Department of Internal Medicine Division of Cardiovascular and Respiratory Medicine, Akita University School of Medicine, Japan***P-147** LARG Involves in Angiotensin II-induced Enhancement of Rho A/Rock Signaling in Primary Cultured VSMCsWai-Chiao Chiu<sup>1</sup>, Fu-Tien Chiang<sup>2</sup>, Yung-Zu Tseng<sup>3</sup><sup>1</sup> *Graduate Institute of Physiology, National Taiwan University College of Medicine, Taiwan*<sup>2</sup> *Department of Internal Medicine and Laboratory Medicine, National Taiwan University College of Medicine, Taiwan*<sup>3</sup> *Department of Internal Medicine, National Taiwan University College of Medicine, Taiwan*

## Basic Science/Translational Medicine 2

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Kyoko Imanaka-Yoshida (*Department of Pathology and Matrix Biology, Mie University Graduate School of Medicine, Japan*)

Heinz-Peter Schultheiss (*Campus Benjamin Franklin, Medizinische Klinik II, Charite-Universitätsmedizin Berlin, Germany*)

**P-148** MicroRNA-1 and MicroRNA-133 Repress the Spontaneous Myocardial Differentiation of Mouse Embryonic Stem Cells

Tomohide Takaya<sup>1</sup>, Koh Ono<sup>2</sup>, Teruhisa Kawamura<sup>1</sup>, Rieko Takanabe<sup>1</sup>, Shinji Kaichi<sup>3</sup>, Tatsuya Morimoto<sup>1</sup>, Hiromichi Wada<sup>1</sup>, Toru Kita<sup>4</sup>, Akira Shimatsu<sup>5</sup>, Koji Hasegawa<sup>1</sup>

<sup>1</sup> *Division of Translational Research, Kyoto Medical Center, National Hospital Organization, Japan*

<sup>2</sup> *Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Japan*

<sup>3</sup> *Department of Pediatrics, Graduate School of Medicine, Kyoto University, Japan*

<sup>4</sup> *Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Japan*

<sup>5</sup> *Clinical Research Institute, Kyoto Medical Center, National Hospital Organization, Japan*

**P-149** Energetic Changes in Heart Cells of White Rats in Conditions Stress Induced by Violated Durinal Cycle

Tengiz Samkharadze, Nana Koshoridze, Manana Chipashvili, Margarita Karapetiani, George Burjanadze, Natalia Dachanashvili

*Medicine Faculty, Iv. Javakishvili State University, Georgia*

**P-150** Mineralcorticoid Receptor Antagonist Reverses Atrial Structural Remodeling

Shinpei Kimura, Masahiro Ito, Makoto Hoyano, Komei Tanaka, Masaomi Chinushi, Makoto Kodama, Yoshifusa Aizawa

*Niigata University School of Medical and Dental Sciences, Japan*

**P-151** Trichostatin A, an HDAC Inhibitor, Induces Differentiation of Induced Pluripotent Stem Cells into Cardiomyocytes in Mice

Shinji Kaichi<sup>1</sup>, Koji Hasegawa<sup>2</sup>, Tomohide Takaya<sup>2</sup>, Noritaka Yokoo<sup>1</sup>, Tatsuya Morimoto<sup>2</sup>, Teruhisa Kawamura<sup>2</sup>, Koh Ono<sup>3</sup>, Shiro Baba<sup>1</sup>, Shinya Yamanaka<sup>4</sup>, Tatsutoshi Nakahata<sup>1</sup>, Toshio Heike<sup>1</sup>

<sup>1</sup> *Department of Pediatrics, Graduate School of Medicine, Kyoto University, Japan*

<sup>2</sup> *Division of Translational Research, Kyoto Medical Center, National Hospital Organization, Japan*

<sup>3</sup> *Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Japan*

<sup>4</sup> *Department of Stem Cell Biology, Institute for Frontier Medical Sciences, Kyoto University, Japan*

**P-152** Aldosterone Promotes Vascular Inflammation via Premature Senescence in Endothelial Cell

Isao Aburadani, Soichiro Usui, Shinichiro Takashima, Ayano Nomura, Takeshige Kunieda, Shuichi Kaneko, Masayuki Takamura

*Department of Disease Control and Homeostasis, Kanazawa University, Japan*

**P-153** Role of Sphingosine Kinase Activation in Hyperthermia-Induced Protection against Hypoxia-Reoxygenation Injury in Cardiomyocytes

Yukichi Murozono, Naohiko Takahashi, Osamu Wakisaka, Yasuko Torigoe, Osamu Kume, Masahide Hara, Hironobu Yoshimatsu, Tetsunori Saikawa

*Department of Cardiology, Oita University, Japan*

### Basic Science/Translational Medicine 3

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Shokei Kim-Mitsuyama (*Department of Pharmacology and Molecular Therapeutics, Kumamoto University Graduate School of Medical Science, Japan*)  
Bernhard Maisch (*Philipps-University Marburg, Germany*)

- P-154** Down-Regulation of Cellular FAK Protein Results in Enhanced Caspase-3 Activation and Exacerbation of Brain Damage in Hypertensive Rats  
Tung-Jing Fang<sup>1</sup>, J.H Cheng<sup>2</sup>, T.L Hsieh<sup>1</sup>, W.G Luo<sup>1</sup>, Kae-Shin Lin<sup>3</sup>  
<sup>1</sup> *Department of Internal Medicine, Songshan Armed Forces General Hospital, Taiwan*  
<sup>2</sup> *Department of Biology and Anatomy, National Defense Medical Center, Taiwan*  
<sup>3</sup> *Department of Pharmacology, National Yang-Ming University, Taiwan*
- P-155** Combination Therapy Involving G-CSF and Erythropoietin Synergically Improve LV Systolic Function in Heart Failure after MI in Rat  
Yoichi Sunagawa<sup>1</sup>, Tatsuya Morimoto<sup>1</sup>, Teruhisa Kawamura<sup>1</sup>, Tomohide Takaya<sup>1</sup>, Hiromochi Wada<sup>1</sup>, Tomoaki Kuwai<sup>2</sup>, Shigeki Yanagi<sup>3</sup>, Akihiro Sugimoto<sup>3</sup>, Masaki Tsukashita<sup>3</sup>, Akira Marui<sup>3</sup>, Tadashi Ikeda<sup>3</sup>, Akira Shimatsu<sup>1</sup>, Masatoshi Fujita<sup>4</sup>, Toru Kita<sup>5</sup>, Koji Hasegawa<sup>1</sup>  
<sup>1</sup> *Division of Translational Research, Kyoto Medical Center, National Hospital Organization, Japan*  
<sup>2</sup> *Research Division, Kirin Pharma Company, Ltd., Japan*  
<sup>3</sup> *Department of Cardiovascular Surgery, Graduate School of Medicine, Kyoto University, Japan*  
<sup>4</sup> *Department of Human Health Sciences, Graduate School of Medicine, Kyoto University, Japan*  
<sup>5</sup> *Kobe City Medical Center General Hospital, Japan*
- P-157** PAI-1 is the Principal Key Player in Metabolic Syndrome: Novel Marker of Abdominal Fat  
Tomoo Furumoto<sup>1</sup>, Satoshi Fujii<sup>2</sup>, Daisuke Goto<sup>1</sup>, Byron E Sobel<sup>3</sup>, Hiroyuki Tsutsui<sup>1</sup>  
<sup>1</sup> *Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan*  
<sup>2</sup> *Department of Molecular and Cellular Pathobiology and Therapeutics Nagoya City University Graduate School of Pharmaceutical Sciences, Japan*  
<sup>3</sup> *Department of Medicine University of Vermont Department of Medicine, United States*
- P-158** A Natural P300-Specific HAT Inhibitor, Curcumin, Possesses Beneficial Effects in Addition to Ace Inhibitor after Rat Myocardial Infarction  
Tatsuya Morimoto<sup>1</sup>, Yoichi Sunagawa<sup>1</sup>, Hiromichi Wada<sup>1</sup>, Tomohide Takaya<sup>1</sup>, Shigeki Yanagi<sup>2</sup>, Akihiro Sugimoto<sup>2</sup>, Masaki Tsukashita<sup>2</sup>, Akira Marui<sup>2</sup>, Tadashi Ikeda<sup>2</sup>, Masatoshi Fujita<sup>3</sup>, Akira Shimatsu<sup>1</sup>, Toru Kita<sup>4</sup>, Koji Hasegawa<sup>1</sup>  
<sup>1</sup> *Division of Translational Research, Kyoto Medical Center, National Hospital Organization, Japan*  
<sup>2</sup> *Department of Cardiovascular Surgery, Graduate School of Medicine, Kyoto University, Japan*  
<sup>3</sup> *School of Health Sciences, Faculty of Medicine, Kyoto University, Japan*  
<sup>4</sup> *Kobe City Medical Center General Hospital, Japan*

## Basic Science/Translational Medicine 4

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Koh Ono (*Department of Cardiovascular Medicine, Kyoto University, Japan*)

Kewal Krishan Talwar (*Postgraduate Institute of Medical Education and Research, Deemed University, India*)

**P-159** Novel Treatment with Periodic Acceleration with a Horizontal Motion Platform Improves Myocardial Ischemia and Left Ventricular Function in Anginal Patients

Shoichi Miyamoto<sup>1</sup>, Moriaki Inoko<sup>1</sup>, Kunihiko Nagai<sup>1</sup>, Tetsuya Haruna<sup>1</sup>, Muneo Oba<sup>1</sup>, Kyokun Uehara<sup>1</sup>, Eisaku Nakane<sup>1</sup>, Tomomi Abe<sup>1</sup>, Ken-ichi Sasaki<sup>1</sup>, Hirohide Itoh<sup>1</sup>, Terunobu Fukuda<sup>1</sup>, Junji Nakashima<sup>1</sup>, Nozomi Tanaka<sup>1</sup>, Koji Ueyama<sup>1</sup>, Ryuji Nohara<sup>1</sup>, Masatoshi Fujita<sup>2</sup>

<sup>1</sup> *Division of Cardiology, Kitano Hospital, The Tazuke Kofukai, Medical Research Institute, Japan*

<sup>2</sup> *Human Health Sciences, Kyoto University Graduate School of Medicine, Kyoto, Japan*

**P-160** Potentiated Angiogenetic Effects of LOX-1 via Induction of Vascular Endothelial Growth Factor in Ischemic Leg

Takeru Shiraki<sup>1</sup>, Takuma Aoyama<sup>1</sup>, Chiharu Yokoyama<sup>1</sup>, Kazuhiko Nishigaki<sup>1</sup>, Genzou Takemura<sup>1</sup>, Takako Fujiwara<sup>2</sup>, Hisayoshi Fujiwara<sup>3</sup>, Tatsuya Sawamura<sup>4</sup>, Shinya Minatoguchi<sup>1</sup>

<sup>1</sup> *Department of Cardiology, Gifu University Graduate School of Medicine, Japan*

<sup>2</sup> *Department of Food and Nutrition, Kyoto Women's University, Japan*

<sup>3</sup> *Hyogo Prefectural Amagasaki Hospital, Japan*

<sup>4</sup> *Vascular Physiology, National Cardiovascular Center Research Institute, Japan*

**P-161** Takayasu's Arteritis and the Role of Nitric Oxide

Nagendra Boopathy Senguttuvan<sup>1</sup>, Jain Sanjay<sup>1</sup>, Dhawan Veena<sup>2</sup>, N. Khandelwal<sup>3</sup>, Bahl Ajay<sup>4</sup>, Verma Subesh<sup>1</sup>

<sup>1</sup> *Department of Internal Medicine, PGIMER, Chandigarh, India*

<sup>2</sup> *Department of Experimental Medicine, PGIMER, Chandigarh, India*

<sup>3</sup> *Department of Radio-Diagnosis, PGIMER, Chandigarh, India*

<sup>4</sup> *Department of Cardiology, PGIMER, Chandigarh, India*

**P-162** An Assessment of Endothelial Function in Patients with Takayasu's Arteritis by Flow Mediated Vasodilatation

Nagendra Boopathy Senguttuvan<sup>1</sup>, Jain Sanjay<sup>1</sup>, Dhawan Veena<sup>2</sup>, N. Khandelwal<sup>3</sup>, Bahl Ajay<sup>4</sup>, Verma Subesh<sup>1</sup>

<sup>1</sup> *Department of Internal Medicine, PGIMER, Chandigarh, India*

<sup>2</sup> *Department of Experimental Medicine, PGIMER, Chandigarh, India*

<sup>3</sup> *Department of Radio-Diagnosis, PGIMER, Chandigarh, India*

<sup>4</sup> *Department of Cardiology, PGIMER, Chandigarh, India*

## POSTER SESSIONS 5

**Annex Hall 1**

### Arrhythmias 1

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Itsuo Kodama (*Research Institute of Environmental Medicine, Nagoya University, Japan*)

Koonlawee Nademanee (*Pacific Rim Electrophysiology Research Institute, United States*)

**P-163** Alterations in Adhesion Junctions is an Important Arrhythmogenic Substrate during the Development of Heart Failure

Masaaki Yoshida<sup>1</sup>, Tomoko Ohkusa<sup>1</sup>, Takashi Sato<sup>1</sup>, Shinsuke Suzuki<sup>1</sup>, Genzou Takemura<sup>2</sup>, Itsuo Kodama<sup>3</sup>, Masunori Matsuzaki<sup>1</sup>

<sup>1</sup> *Division of Cardiology, Yamaguchi University Graduate School of Medicine, Japan*

<sup>2</sup> *Division of Cardiology, Gifu University Graduate School of Medicine, Japan*

<sup>3</sup> *Department of Cardiovascular Research, Research Institute of Environmental Medicine, Nagoya University, Japan*

- P-164** Novel Mutations of Plakophilin-2 in Chinese with Arrhythmogenic Right Ventricular Cardiomyopathy  
 Wenling Liu<sup>1</sup>, Xiaoliang Qiu<sup>1</sup>, Hu Dayi<sup>1</sup>, Tiangang Zhu<sup>1</sup>, Cuilan Li<sup>1</sup>, Lei Li<sup>1</sup>, Xingpeng Liu<sup>2</sup>, Chengjun Guo<sup>2</sup>,  
 Lei Wang<sup>3</sup>, Li Zhang<sup>4</sup>, Baoming Liu<sup>5</sup>  
<sup>1</sup> Department of Cardiology, Peking University People's Hospital, China  
<sup>2</sup> Anzhen Hospital, Capital Medical University, China  
<sup>3</sup> Friendship Hospital, Capital Medical University, China  
<sup>4</sup> Main Line Health Heart Center, United States  
<sup>5</sup> Second Affiliated Hospital of Xi'an Jiaotong University College of Medicine, China
- P-165** The Predictors of Pacemaker Dependency of Post Myocardial Infarction Patients who Have Heart Block: A Cohort Study  
 Danilo Santos Santos<sup>1</sup>, Erdie C. Fadreguilan<sup>2</sup>  
<sup>1</sup> Department of Adult Cardiology, Philippine Heart Center, Philippines  
<sup>2</sup> Philippine Heart Association, Philippines
- P-166** Causative Relationship between Cor Pulmonale and Atrial Arrhythmia: Novel Insight into Right Atrial Electrical Remodeling  
 Takashi Koyama<sup>1</sup>, Kyoichi Ono<sup>2</sup>, Hiroyuki Watanabe<sup>1</sup>, Takayoshi Ohba<sup>2</sup>, Kenji Iino<sup>1</sup>, Toshimitsu Kosaka<sup>1</sup>,  
 Hiroshi Ito<sup>1</sup>  
<sup>1</sup> Division of Cardiovascular and Respiratory Medicine, Department of Internal Medicine, University of Akita, Japan  
<sup>2</sup> Department of Physiology, University of Akita, Japan
- P-167** Electrophysiological Study of Patients with Sarcoidosis; Two Consecutive Cases without Structural Heart Disease  
 Hidetaka Okazaki<sup>1</sup>, Hironobu Tani<sup>1</sup>, Katsuhiko Tateoka<sup>1</sup>, Hiroaki Yamaguchi<sup>1</sup>, Harumizu Sakurada<sup>2</sup>,  
 Masayasu Hiraoka<sup>3</sup>  
<sup>1</sup> Department of Cardiology, Tokyo Health and Medical Treatment Corporation, Ohkubo Hospital, Japan  
<sup>2</sup> Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Japan  
<sup>3</sup> Tokyo Medical and Dental University, Japan
- P-168** The Value of Interleukine 6 (IL-6), TNF-Alpha in Patients after Myocardial Infarction and Ventricular Arrhythmias  
 Danuta Mroczek-Czernecka, Artur Z Pietrucha, Jadwiga Nessler, Marta Wegrzynowska, Weislawa Piwowarska  
 Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II  
 Hospital in Cracow, Poland

## Arrhythmias 2

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Teruhisa Tanabe (Department of Cardiology, Tokai University School of Medicine, Japan)  
 Maria Belen O. Carisma (Philippine Heart Center, Philippines)

- P-169** A Report of Questionnaire about General Habits and Symptoms of Patients with Recurrent Atrial Fibrillation  
 Tokuhiko Kawara<sup>1</sup>, Jun Narumi<sup>1</sup>, Kenzo Hirao<sup>2</sup>, Mitsuaki Isobe<sup>2</sup>, Masato Matsuura<sup>1</sup>  
<sup>1</sup> Health Sciences, Tokyo Medical and Dental University, Japan  
<sup>2</sup> Department of Cardiology, Tokyo Medical and Dental University, Japan
- P-170** Evaluation of Qt/Qtc Dynamics during Sudden Postural Change Using Novel Noise Reduction ECG  
 Takao Katoh<sup>1</sup>, Toshihiko Ohara<sup>1</sup>, Hiroshige Murata<sup>1</sup>, Teppei Yamamoto<sup>1</sup>, Kyoichi Mizuno<sup>1</sup>, Shinya Nagata<sup>2</sup>  
<sup>1</sup> Department of Internal Medicine, Nippon Medical School, Japan  
<sup>2</sup> Dainippon Sumitomo Pharma Co., Japan

- P-171** Can New Descriptors of Ventricular Repolarisation as T-Wave Vector Alternans Detect Highly Arrhythmic Risk Patients with Heart Diseases ?  
 Takuya Ono<sup>1</sup>, Kazuo Yana<sup>2</sup>, Shioto Itakura<sup>3</sup>, Yoshinori Kobayashi<sup>4</sup>, Hiroshi Honma<sup>4</sup>, Kazuo Munakata<sup>3</sup>, Takao Kato<sup>4</sup>, Kyoichi Mizuno<sup>4</sup>  
<sup>1</sup> *Cardiology, Ono Heart Clinic, Japan*  
<sup>2</sup> *Department of Electronic Informatics, Hosei University, Japan*  
<sup>3</sup> *Department of Internal medicine, Nippon Medical School Musashikosugi Hospital, Japan*  
<sup>4</sup> *Department of Cardiology, Nippon Medical School, Japan*
- P-172** The Optimal AV Delay in Patients with Complete AV Block  
 Yoshio Yamanouchi, Seiyo Maruyama, Shunichirou Sumi, Hideaki Toujou, Kei Miyoshi, Hidenori Urata  
*Department of Cardiology, Fukuoka University Chikushi Hospital, Japan*
- P-173** Unexpected High Prevalence of Left Nodal Extension Breakthrough in Patients with Slow-Fast Atrioventricular Nodal Reentry Tachycardia  
 Chih-Chieh Yu<sup>1</sup>, Bui The Dung<sup>2</sup>, Liang-Yu Lin<sup>1</sup>, Fu-Chun Chiu<sup>1</sup>, Chia-Ti Tsai<sup>1</sup>, Ling-Ping Lai<sup>1</sup>, Jiunn-Lee Lin<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, National Taiwan University Hospital, Taiwan*  
<sup>2</sup> *University Medical Center, Vietnam*
- P-174** Detailed Electroanatomical Mapping of Slow and Intermediate Pathway in Atypical Atrioventricular Nodal Reentry Tachycardia  
 Chih-Chieh Yu<sup>1</sup>, Bui The Dung<sup>2</sup>, Liang-Yu Lin<sup>1</sup>, Fu-Chun Chiu<sup>1</sup>, Chia-Ti Tsai<sup>1</sup>, Ling-Ping Lai<sup>1</sup>, Jiunn-Lee Lin<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, National Taiwan University Hospital, Taiwan*  
<sup>2</sup> *University Medical Center, Vietnam*

### Arrhythmias 3

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Katsuya Kajimoto (*Department of Cardiology, Shonan Dai-ichi Hospital, Japan*)  
 Muhammad Munawar (*Harapan Kita National Cardiovascular Center, Indonesia*)

- P-175** Use of Short-Term Heart Interval Variability in Evaluation of Angiotensin Receptor Blocker on Cardiac Autonomic Modulation Post Hemodialysis  
 Ingfang Yang<sup>1</sup>, Tenfang Yang<sup>2</sup>  
<sup>1</sup> *Department of Internal Medicine, Jen-Chi General Hospital, Taiwan*  
<sup>2</sup> *Department of Biological Science and Technology, Chiao Tung University, Taiwan*
- P-176** Detection of Atrial High Rate Episode dose not Systematically Mean Detection of Atrial Tachyarrhythmia  
 Ritsuko Kohno, Haruhiko Abe, Toshihisa Nagatomo, Yutaka Otsuji  
*The Second Department of Internal Medicine, University of Occupational and Environmental Health, Japan*
- P-177** Absence of Correlation between Prevalence of Ventriculo-Atrial Conduction at Pacemaker Implant and its Manifestation during Follow-up  
 Ritsuko Kohno, Haruhiko Abe, Toshihisa Nagatomo, Yutaka Otsuji  
*The Second Department of Internal Medicine, University of Occupational and Environmental Health, Japan*
- P-178** Frequency Domain Heart Rate Variability Parameters are Sex Dependent in an Apparently Healthy Taiwanese Population  
 Yueh Chen<sup>1</sup>, Ing-Fang Yang<sup>2</sup>, Teng-Fang Yang<sup>1</sup>  
<sup>1</sup> *Department of Biological Science and Technology, National Chiao Tung University, Taiwan*  
<sup>2</sup> *Internal Medicine, Taipei Jen-Chi General Hospital, Taiwan*
- P-179** Analysis of the Value of Adenosine Test in Diagnosis of Sinus Node Dysfunction  
 Artur Z Pietrucha, Ewa Wojewodka-Zak, Mateusz Wnuk, Marta Wegrzynowska, Irena Bzukala, Ewa Konduracka, Wieslawa Piwowska  
*Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II Hospital in Cracow, Poland*

- P-180** Usefulness of Regional Cerebral Oxygen Saturation during Head-Up Tilt Test in Diagnosis of Patient with Vaso-Vagal Syncope

[Artur Z Pietrucha](#), Ewa Wojewodka-Zak, Irena Bzukala, Mateusz Wnuk, Weislawa Piwowarska  
Coronary Disease Department, Institute of Cardiology, Medical School of Jagiellonian University, John Paul II Hospital in Cracow, Poland

## Arrhythmias 4

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Yuji Murakawa (Department of Internal Medicine, Mizonokuchi Hospital, Teikyo University School of Medicine, Japan)

Yash Lokhandwala (Arrhythmia Associates, India)

- P-181** Impact of Epicardial Fat Pads Ablation on Acute Atrial Electrical Remodeling

[Dong Chang](#), Shulong Zhang, Lianjun Gao, Donghui Yang, Yanzong Yang, Yubi Lin, Zhenliang Chu, Xiaomeng Yin, Xianjie Xiao, Peng Jiang, Zhitao Zhen, Xianjing Wei  
Department of Cardiology, First Affiliated Hospital of Dalian Medical University, China

- P-182** The Impact of Linear Ablations on the Functional Properties of Left Atrium in Patients with Paroxysmal Atrial Fibrillation

[Hsuan-Ming Tsao](#)<sup>1</sup>, Wei-Chih Hu<sup>2</sup>, Mei-Han Wu<sup>3</sup>, Shih-Ann Chen<sup>3</sup>

<sup>1</sup> Cardiology, National Yang Ming University Hospital, Taiwan

<sup>2</sup> Chung Yuan Christian University, Taiwan

<sup>3</sup> Taipei Veterans General Hospital, Taiwan

- P-183** Autonomic Nerve Denervation Contributes to the Long-Term Efficacy of Circumferential Pulmonary Vein Ablation on Atrial Fibrillation

[Dong Chang](#), Zhenliang Chu, Donghui Yang, Lianjun Gao, Shulong Zhang, Yanzong Yang, Yubi Lin, Yunlong Xia, Xiaomeng Yin, Jinqiu Liu, Ying Liu, Yinxue Dong, Peixin Cong  
Department of Cardiology, First Affiliated Hospital of Dalian Medical University, China

- P-184** Is There Any Wall Motion Abnormality of Left Atrium in Paroxysmal Atrial Fibrillation? Novel Finding of Dynamic Computed Tomography

[Hsuan-Ming Tsao](#)<sup>1</sup>, Wei-Chih Hu<sup>2</sup>, Mei-Han Wu<sup>3</sup>, Shih-Ann Chen<sup>3</sup>

<sup>1</sup> Cardiology, National Yang Ming University Hospital, Taiwan

<sup>2</sup> Chung Yuan Christian University, Taiwan

<sup>3</sup> Taipei Veterans General Hospital, Taiwan

- P-185** Effect of Acute Right Ventricular Pacing on Ventricular Mechanical Synchrony

[Ingrid Maria Pardede](#), Muhammad Munawar, Nani Budiarmoko, Amiliana M. Soesanto  
Department of Cardiology and Vascular Medicine, Universitas Indonesia, Indonesia

- P-186** An Evaluation of Heart Rate Variability between MVP and a Normal Taiwanese Population

[Tsai Lung-Wen](#)<sup>1</sup>, Yang Ing Fang<sup>2</sup>, Yang Ten Fang<sup>3</sup>

<sup>1</sup> Graduate Institute of Medical Informatics, Taipei Medical University, Taiwan

<sup>2</sup> Department of Internal Medicine, Jen Chi General Hospital, Taiwan

<sup>3</sup> College of Biological Science and Technology, National Chiao Tung University, Taiwan

## Arrhythmias 5

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Kaichiro Kamiya (*Department of Cardiovascular Research, Research Institute of Environmental Medicine, Nagoya University, Japan*)

Jiunn-Lee Lin (*Department of Internal Medicine, National Taiwan University Hospital, Taiwan*)

- P-187** Clinical Profiles for the Occurrence of Heart Failure in Patients with Paroxysmal Atrial Fibrillation and Diabetes Mellitus  
[Hideaki Tachibana](#), Takashi Komatsu, Yoshihiro Sato, Mahito Ozawa, Fusanori Kunugita, Motoyuki Nakamura  
*Department of Cardiology, Iwate Medical University, Japan*
- P-188** Long Term Echocardiographic Assessment of Patients with Atrial Fibrillation  
[Pavol Chnupa](#)<sup>1</sup>, Claudia Stollberger<sup>2</sup>, Iveta Simkova<sup>1</sup>, Jan Postulka<sup>1</sup>  
<sup>1</sup> *Noninvasive Cardiology, National Institute of Cardiovascular Diseases, Slovakia*  
<sup>2</sup> *Rudolfstiftungskrankenhaus, Austria*
- P-189** Low Right Atrial Septal Pacing Prevents Chronic Atrial Fibrillation in Patients with Sick Sinus Syndrome  
[Hitoshi Minamiguchi](#), Tetsuya Watanabe, Shinsuke Nanto, Masaaki Uematsu, Takakazu Morozumi, Masaki Awata, Toshinari Onishi, Osamu Iida, Fusako Sera, Kenji Kawamoto, Masamichi Yano, Kuniyasu Ikeoka, Shin Okamoto, Nobuaki Tanaka, Haruyo Yasui, Takayuki Ishihara, Tomoharu Dohi, Seiki Nagata  
*Cardiovascular Division, Kansai Rosai Hospital, Japan*
- P-190** Fast Track TEE Guided Cardioversion among Patients with Acute Atrial Fibrillation > 48 Hours Duration: Meta-Analysis of Safety and Efficacy  
[Arnold Santos de Guzman](#), Erdie Fadreguilan, Gregorio Rogelio  
*Heart Institute, St Luke's Medical Center, Philippines*
- P-191** Transiliac Pacemaker or ICD Implantation is a Safe and Effective Alternative Technique  
[Chi Keong Ching](#), Kah Leng Ho, Wee Siong Teo  
*Department of Cardiology, National Heart Centre Singapore, Singapore*
- P-192** Mode of Onset in Idiopathic Ventricular Fibrillation; Early Repolarization-J Wave Syndrome vs. Brugada Syndrome  
[Gi-Byoung Nam](#), Eun-Sun Jin, Kee-Joon Choi, You-Ho Kim  
*Asan Medical Center, Department of Internal Medicine (Cardiology), University of Ulsan College of Medicine, Korea*

## POSTER SESSIONS 6

**Annex Hall 1**

### Atherosclerosis 1

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Mitsuaki Isobe (*Tokyo Medical & Dental University, Japan*)

Charles Chan (*Gleneagles Hospital & National Heart Centre, Singapore*)

- P-193** Carotid Artery Intima-Media Thickness, Carotid Plaque and Coronary Heart Disease and Stroke in Chinese  
[Kuo-Liong Chien](#)<sup>1</sup>, Ta-Chen Su<sup>2</sup>, Jiann-Shing Jeng<sup>3</sup>, Hsiu-Ching Hsu<sup>2</sup>, Wei-Tien Chang<sup>4</sup>, Ming-Fong Chen<sup>2</sup>, Yuan-Teh Lee<sup>2</sup>, Frank B. Hu<sup>5</sup>  
<sup>1</sup> *Institute of Preventive Medicine, College of Public Health, National Taiwan University, Taiwan*  
<sup>2</sup> *Department of Internal Medicine, National Taiwan University, Taiwan*  
<sup>3</sup> *Department of Neurology, National Taiwan University, Taiwan*  
<sup>4</sup> *Department of Emergency Medicine, National Taiwan University, Taiwan*  
<sup>5</sup> *Department of Nutrition, School of Public Health, Harvard University, United States*

- P-194** Intima-Media Thickness of Lower Limb Arteries Associated with Fasting and Post-Challenge Plasma Glucose Levels  
**Hung-Chi Ho**, Ming-Fong Chen, Juey-Jen Hwang Hwang, Ta-Chen Su  
*Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taiwan*
- P-195** Predictive Value of Calcifications of the Aortic and Mitral Valve for Coronary Artery Disease  
**Rowena Ona**, Maureen V Valentin, Dondi Lim, Alvin Lim, Crismelita Banez, Wilson Tan de Guzman  
*Cardiology, University of Santo Tomas Hospital, Philippines*
- P-196** Assessment of Aortic Stiffness Using a Two-Dimensional Aortic Strain Imaging: in Relation to Changes in Aging  
**Yoshifumi Oishi**, Yukio Mizuguchi, Hirokazu Miyoshi, Arata Iuchi, Norio Nagase, Takashi Oki  
*Department of Cardiology, Higashi Tokushima National Hospital, National Hospital Organization, Japan*
- P-197** Determinants of Long-Term Mortality in Patients with Type B Acute Aortic Dissection  
**Kenichi Sakakura**<sup>1</sup>, Norifumi Kubo<sup>1</sup>, Junya Ako<sup>2</sup>, Naoki Fujiwara<sup>1</sup>, Hiroshi Funayama<sup>1</sup>, Nahoko Ikeda<sup>1</sup>, Tomohiro Nakamura<sup>1</sup>, Yoshitaka Sugawara<sup>1</sup>, Takanori Yasu<sup>1</sup>, Masanobu Kawakami<sup>1</sup>, Shin-ichi Momomura<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Jichi Medical University, Saitama Medical Center, Japan*  
<sup>2</sup> *Division of Cardiovascular Medicine, Stanford University School of Medicine, United States*
- P-198** Association between Carotid Intima-Media Thickness and the Metabolic Syndrome in a Population of Middle-Aged Koreans  
**Mina Suh**, Myoung Ha Lee, Ju Young Lee, Song Vogue Ahn, Hyeon Chang Kim, Il Suh  
*Department of Preventive Medicine, Yonsei University College of Medicine, Korea*

## Atherosclerosis 2

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Masahiko Kurabayashi (*Department of Medicine and Biological Science, Gunma University Graduate School of Medicine, Japan*)  
 Antonio S. Sibulo (*St. Luke's Heart Institute, Philippines*)

- P-199** Gender Disparity in the Risk Factors for Coronary Vasospasm without Hemodynamically Significant Coronary Artery Disease  
**Ming-Yow Hung**<sup>1</sup>, Kuang-Hung Hsu<sup>2</sup>, Ming-Jui Hung<sup>3</sup>  
<sup>1</sup> *Graduate Institute of Clinical Medical Sciences, Department of Cardiology, Chang Gung University, Shuang-Ho Hospital, Taiwan*  
<sup>2</sup> *Department of Health Care Management, Chang Gung University, Taiwan*  
<sup>3</sup> *Section of Cardiology, Department of Medicine, Chang Gung Memorial Hospital at Keelung, Taiwan*
- P-200** Prevalence of Polyvascular Disease in Patients with Coronary Artery Disease in Japanese Population  
**Masanori Taniwaki**, Shuzou Tanimoto, Kengo Tanabe, Shunsuke Sasaki, Shuji Ohtsuki, Sen Yachi, Masataka Nakano, Satoru Kishi, Teruhiko Imamura, Kazuhiro Mutoh, Yoshifumi Nakajima, Satoru Shimizu, Hiroyoshi Nakajima, Kazuhiro Hara  
*Department of Cardiology, Mitsui Memorial Hospital, Japan*
- P-201** Relation between Functional Exercise Capacity and Functional Stenosis with Patients of Stable Angina with Moderate Coronary Stenosis  
**Tomoko Hirose**<sup>1</sup>, Shinichiro Tanaka<sup>1</sup>, Toshiyuki Noda<sup>1</sup>, Tomonori Segawa<sup>1</sup>, Reiko Matsuoka<sup>1</sup>, Shintaro Abe<sup>1</sup>, Yoshiaki Goto<sup>1</sup>, Takashi Katou<sup>1</sup>, Shunichiro Warita<sup>1</sup>, Tai Kojima<sup>1</sup>, Takeshi Hirose<sup>1</sup>, Makoto Iwama<sup>1</sup>, Koji Ono<sup>1</sup>, Haruki Takahashi<sup>1</sup>, Taro Minagawa<sup>2</sup>, Sachiro Watanabe<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Gifu Prefectural General Medical Center, Japan*  
<sup>2</sup> *Gifu Cardiovascular Institution, Japan*
- P-202** Gender Difference of C-Reactive Protein Flow-Mediated Dilatation and Coronary Artery Calcium for Prognosis in Subjects with Stable Angina  
**Jong Shiuan Yeh**<sup>1</sup>, Hsin-Bang Leu<sup>2</sup>, Po-Hsun Huang<sup>2</sup>, Tao-Cheng Wu<sup>2</sup>, Shing-Jong Lin<sup>2</sup>, Jaw-Wen Chen<sup>2</sup>  
<sup>1</sup> *Department of Cardiology, Taipei Medical University Wan-Fang Medical Center, Taiwan*  
<sup>2</sup> *Department of Cardiology, Taipei Veterans General Hospital, Taiwan*

**P-203** Associated Factors of Aspirin Resistance in Thais with CAD; A Subgroup Analysis, Royal Thai Army Hospital Experience

Korkiat Kittisuwan<sup>1</sup>, Ram Rangsin<sup>2</sup>

<sup>1</sup> Division of Cardiology, King Anandamahidol Hospital, Thailand

<sup>2</sup> Phramongkutklao college of Medicine, Thailand

**P-204** Value of Higher ST Elevation in Lead 3 than in Lead 2 for Predicting in-Hospital Outcome among Patients with Acute RV Infarction

Darwin Onsiangco Misa, Frederick Vicente

Adult Cardiology/ Peripheral Vascular Medicine, Philippine Heart Center, Philippines

### Atherosclerosis 3

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Ken-ichi Hirata (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Japan)

Sang Hong Baek (Division of Cardiovascular Medicine, The Catholic University of Korea, Korea)

**P-205** Short-Term Effect between Co-Administration of Simvastatin and Ezetimibe and Atorvastatin on Pulse Wave Velocity in Hypercholesterolemia

Young Soo Lee, So Yeon Kim, Jin Bae Lee, Jae Keun Ryu, Ji Yong Choi, Sung Gug Chang, Kee Sik Kim

Department of Cardiology, Daegu Catholic University Medical Center, Korea

**P-206** Serum MCP-1 Levels are Strongly Associated with Higher Ratio of LDL- to HDL-Cholesterol Levels and Lower Estimated GFR

Ako Fukami<sup>1</sup>, Hisashi Adachi<sup>1</sup>, Sho-ichi Yamagishi<sup>2</sup>, Mika Enomoto<sup>1</sup>, Maki Otsuka<sup>1</sup>, Shunichi Kumagae<sup>1</sup>, Yasuki Nanjo<sup>1</sup>, Kumiko Furuki<sup>1</sup>, Eishi Esaki<sup>1</sup>, Eita Kumagai<sup>1</sup>, Kyoko Murayama<sup>1</sup>, Akira Satoh<sup>1</sup>, Yuji Hirai<sup>1</sup>, Tsutomu Imaizumi<sup>1</sup>

<sup>1</sup> Department of Internal Medicine, Division of Cardio-Vascular Medicine, Kurume University School of Medicine, Japan

<sup>2</sup> Department of Pathophysiology and Therapeutics of Diabetic Vascular Complications, Kurume University School of Medicine, Japan

**P-207** Impact of Co-Administration of Atorvastatin and Bezafibrate on the Lipoprotein Subclass: Comparison between apoE2/2 and apoE3/3

Masa-aki Kawashiri<sup>1</sup>, Junji Kobayashi<sup>2</sup>, Atsushi Nohara<sup>2</sup>, Hayato Tada<sup>1</sup>, Chiaki Nakanishi<sup>1</sup>, Masayuki Tsuchida<sup>1</sup>, Mutsuko Takata<sup>1</sup>, Akihiro Inazu<sup>3</sup>, Hiroshi Mabuchi<sup>2</sup>, Masakazu Yamagishi<sup>1</sup>

<sup>1</sup> Department of Cardiology, Kanazawa University, Japan

<sup>2</sup> Department of Lipidology, Kanazawa University, Japan

<sup>3</sup> Molecular Biochemistry and Molecular Biology Laboratory, Graduate School of Medical Science, Kanazawa University, Japan

**P-208** Double Blind Randomized Cross Over Controlled Clinical Trial of Resveratrol in Hyperlipidemic Patients

Bahram Fariborz Farsad<sup>1</sup>, Nazanin Zandi<sup>1</sup>, Yunes Panahi<sup>1</sup>, Farshad Hashemian<sup>2</sup>, Abbas Zawarei<sup>1</sup>,

Ahmad Mohebbi<sup>1</sup>, Ali Sadeghpour Taba<sup>1</sup>, Kambiz Mozaffari<sup>1</sup>

<sup>1</sup> Department of Clinical Pharmacy, Rajaie Heart Center, Iran

<sup>2</sup> IA University, Pharmaceutical Branch, Iran

**P-209** Pregnancy Associated Plasma Protein-A Level Predicts 6-Months Clinical Outcome in Patients with Unstable Angina Pectoris

Karel Saragih, Bambang Budi Siswanto, Renan Sukmawan, Ganesja Harimurti

Department of Cardiology and Vascular Medicine, University of Indonesia/ Harapan Kita National Cardiovascular Center, Indonesia

**P-210** Metabolic Syndrome and Adiposity-Signaling Hormones

Yutaka Kajikawa, Shunji Takemoto, Ikeda Masae

Department of Cardiology, NHO Fukuyama Medical Center, Japan

## Atherosclerosis 4

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Takashi Konishi (*Department of Cardiology, Otsu Red Cross Hospital, Japan*)

Chen-Huan Chen (*National Yang-Ming University / Taipei Veterans General Hospital, Taiwan*)

**P-211** Strict Blood Pressure Control is Useful for Preventing the Progression of Mild Aortic Stenosis in Hypertensive Patients

Takeshi Tsujino<sup>1</sup>, Akira Ezumi<sup>1</sup>, Kana Wakabayashi<sup>1</sup>, Yoshiro Naito<sup>1</sup>, Masaaki Lee-Kawabata<sup>1</sup>, Shinji Nakao<sup>1</sup>, Akiko Goda<sup>1</sup>, Misato Otsuka<sup>1</sup>, Chikako Yoshida<sup>1</sup>, Mika Matsumoto<sup>1</sup>, Hirokuni Akahori<sup>1</sup>, Yasushi Sakata<sup>2</sup>, Kazuhiro Yamamoto<sup>2</sup>, Takashi Daimon<sup>3</sup>, Tohru Masuyama<sup>1</sup>

<sup>1</sup> *Cardiovascular Division, Department of Internal Medicine, Hyogo College of Medicine, Japan*

<sup>2</sup> *Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Japan*

<sup>3</sup> *Division of Biostatistics, Department of Mathematics, Hyogo College of Medicine, Japan*

**P-212** The Usefulness of Cardio-Ankle Vascular Index for Practical Use in Detecting a Coronary Artery Disease

Tasuku Yamaguchi<sup>1</sup>, Yoshiaki Katahira<sup>1</sup>, Tomoyuki Yambe<sup>2</sup>

<sup>1</sup> *Tohoku Kousei Nenkin Hospital, Japan*

<sup>2</sup> *The Department of Medical Engineering and Cardiology, Institute of Development, Aging and Cancer, Tohoku University, Japan*

**P-213** Clinical Usefulness of Novel Device Utilizing Fingertip Peripheral Arterial Tomometry in Patients with Coronary Artery Disease

Makoto Hiki, Kazunori Shimada, Takashi Kiyanagi, Kosuke Fukao, Katsuhiko Sumiyoshi, Kuniaki Hirose, Toshifumi Fukushima, Rie Matsumori, Hiromichi Osaka, Nao Inoue, Atsumi Kume, Tetsuro Miyazaki, Hiroyuki Daida

*Department of Cardiovascular Medicine, Juntendo University, School of Medicine, Japan*

**P-214** Clinical Impact of Heterozygous Carrier of Autosomal Recessive Hypercholesterolemia on Asymptomatic Hyperlipidemic Patients

Hayato Tada<sup>1</sup>, Masa-aki Kawashiri<sup>1</sup>, Tohru Noguchi<sup>2</sup>, Chiaki Nakanishi<sup>1</sup>, Masayuki Tsuchida<sup>1</sup>, Mutsuko Takata<sup>1</sup>, Atsushi Nohara<sup>2</sup>, Akihiro Inazu<sup>3</sup>, Junji Kobayashi<sup>2</sup>, Hiroshi Mabuchi<sup>2</sup>, Masakazu Yamagishi<sup>1</sup>

<sup>1</sup> *Department of Cardiology, Kanazawa University, Japan*

<sup>2</sup> *Department of Lipidology, Kanazawa University, Japan*

<sup>3</sup> *Department of Laboratory Science, Molecular Biochemistry and Molecular Biology, Graduate School of Medical Science, Kanazawa University, Japan*

**P-215** Angiotensin II Decreases Cholesterol 27-Hydroxylase Expression and Promotes Foam Cell Formation in THP-1

Gang Tian

*Department of Cardiology, First Affiliated Hospital of Xi'an Jiaotong University, China*

## Atherosclerosis 5

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Yuichi Ishikawa (*Kobe University Graduate School of Health Sciences, Japan*)

Ji-Guang Wang (*Shanghai Institute of Hypertension, China*)

**P-216** Pre-Procedural Inflammatory Markers did not Predict Arteriovenous Fistula Restenosis

Chih-Cheng Wu<sup>1</sup>, Szu-Chi Wen<sup>1</sup>, Shih-Yun Pu<sup>1</sup>, Kuei-Chin Tsai<sup>1</sup>, Jaw-Wen Chen<sup>2</sup>

<sup>1</sup> *Department of Cardiology, Hsinchu General Hospital and Yang-Ming University, Taiwan*

<sup>2</sup> *Department of Cardiology Taipei Veteran General Hospital and Yang-Ming University, Taiwan*

**P-217** Role of Adhesion of Outer Membrane Protein *Chlamydia pneumoniae* in Collagen Type-IV Degradation

Sri Murwani<sup>1</sup>, Djanggan Sargowo<sup>2</sup>, Handono Kalim<sup>2</sup>, Mulyohadi Ali<sup>3</sup>, Ketut Muliarta<sup>4</sup>, Sumarno Sumarno<sup>1</sup>

<sup>1</sup> *Department of Microbiology, Brawijaya University, Indonesia*

<sup>2</sup> *Department of Internal Medicine, Medicine Faculty, Brawijaya University, Indonesia*

<sup>3</sup> *Department of Pharmacology, Medicine Faculty, Brawijaya University, Indonesia*

<sup>4</sup> *Department of Pathology Anatomy, Medicine Faculty, Brawijaya University, Indonesia*

- P-218** Neutrophil Response against Porphyromonas Gingivalis Generate Prooxidative and Toxic Milieu Leading to Vascular Collagen Degradation  
 Ida Susilawati<sup>1</sup>, Djanggan Sargowo<sup>2</sup>, Edi Widjajanto<sup>3</sup>, Mulyohadi Ali<sup>4</sup>  
<sup>1</sup> Department of Dentistry, Jember University, Indonesia  
<sup>2</sup> Department of Cardiology, Brawijaya University, Indonesia  
<sup>3</sup> Department of Biomedic, Brawijaya University, Indonesia  
<sup>4</sup> Department of Pharmacology, Brawijaya University, Indonesia
- P-219** Plasma Levels of Soluble RAGE are Associated with Endothelial Function and Cardiovascular Events in Non-Diabetic Subjects  
 Kuang-Hsing Chiang<sup>1</sup>, Po-Hsun Huang<sup>1</sup>, Shao-Sung Huang<sup>1</sup>, Tao-Cheng Wu<sup>1</sup>, Tse-Min Lu<sup>1</sup>, Feng-Yen Lin<sup>2</sup>, Jaw-Wen Chen<sup>1</sup>, Shing-Jong Lin<sup>1</sup>  
<sup>1</sup> Division of Cardiology, Department of Medicine, Taipei Veterans General Hospital, Taiwan  
<sup>2</sup> Division of Anesthesiology, Taipei Medical University Hospital and Department of Anesthesiology, School of Medicine, Taipei Medical University, Taiwan
- P-220** Can Laboratory Data and Cardiac Echocardiographic Findings Predict Deep Vein Thrombus in Congestive Heart Failure Patients?  
 Shunsuke Kiuchi<sup>1</sup>, Atsushi Namiki<sup>1</sup>, Yasumichi Yamagishi<sup>1</sup>, Fumihiko Hara<sup>1</sup>, Masahiko Harada<sup>2</sup>, Toshisuke Morita<sup>3</sup>, Hajime Nakano<sup>1</sup>, Jun-ichi Yazamaki<sup>1</sup>  
<sup>1</sup> Division of Cardiovascular Medicine, Department of Internal Medicine, Toho University Omori Medical Center, Japan  
<sup>2</sup> Department of Clinical Functional Physiology, Toho University Omori Medical Center, Japan  
<sup>3</sup> Department of Laboratory Medicine, Toho University Omori Medical Center, Japan

## POSTER SESSIONS 7

Annex Hall 1

### Cardiovascular Epidemiology 1

Thursday, May 21st, 17:10-18:10

**Chairpersons:** Yutaka Ishibashi (*Rural Medicine and Cardiovascular Medicine, Shimane University, Japan*)  
 M. R. Pandey (*Cardiac Society of Nepal/ Mrigendra Samjhana Medical Trust, Nepal*)

- P-221** Waist-to-Height Ratio and Risk of Elevated Blood Pressure in Children Aged 7 Years in Taiwan  
 Chien-Chang Liao<sup>1</sup>, Yang Chen<sup>2</sup>, Cheuk-Sing Choy<sup>3</sup>  
<sup>1</sup> College of Public Health, National Taiwan University, Taiwan  
<sup>2</sup> Department of Pediatric Medicine, Taipei Medical University Hospital, Taiwan  
<sup>3</sup> Department of Emergency Medicine, Taipei Medical University Hospital, Taiwan
- P-222** Association between Hyperuricemia and Incidence of Carotid Plaque  
 Yan Li<sup>1</sup>, Dong Zhao<sup>1</sup>, Jing Liu<sup>1</sup>, Zhi-An Li<sup>2</sup>, Qiang Yong<sup>2</sup>, Wei Wang<sup>1</sup>  
<sup>1</sup> Cardiovascular Epidemiology, Beijing Anzhen Hospital Affiliated to the Capital Medical University, China  
<sup>2</sup> Department of Ultrasound, Beijing Anzhen Hospital, China
- P-223** The Association of Hypertensive Left Ventricular Hypertrophy and Risk of Cardiovascular Disease and Death in a Cohort Study in Beijing  
 Yan Li<sup>1</sup>, Dong Zhao<sup>1</sup>, Jing Liu<sup>1</sup>, Cui-Fen Li<sup>1</sup>, Wei Guo<sup>2</sup>, Chi-Hong Chen<sup>2</sup>, Peng Hao<sup>2</sup>, Jia-Yi Sun<sup>1</sup>, Lan-Ping Qin<sup>1</sup>, Wei Wang<sup>1</sup>  
<sup>1</sup> Cardiovascular Epidemiology, Beijing Anzhen Hospital Affiliated to the Capital Medical University, China  
<sup>2</sup> Department of Electrocardiography Physiology, Beijing Anzhen Hospital, China
- P-224** Cardiac Rehabilitation Program; Clinical Outcomes and Facts in Asia  
 Tabish Hussain<sup>1</sup>, Yu Shu Li<sup>1</sup>, Roshan Ara<sup>2</sup>  
<sup>1</sup> Department of Cardiology, Union Hospital, Tongji Medical College, China  
<sup>2</sup> Cardiology Department, Roshan Medical Center, Pakistan

- P-225** Prevalance and Pattern of Hypertension among Young Pakistani Asians; An Observational Study Exploring the Hidden Bitter Truths

Tabish Hussain<sup>1</sup>, Yu Shu Li<sup>1</sup>, Abbas Hayat<sup>2</sup>, Roshan Ara<sup>3</sup>

<sup>1</sup> Department of Cardiology, Union Hospital, Tongji Medical College, China

<sup>2</sup> Department of Pathology, Rawalpindi General Hospital, Pakistan

<sup>3</sup> Cardiology Department, Roshan Medical Center, Pakistan

- P-226** The Frequency and Risk Factors for Cholelithiasis and Gallstone in Adult Patients with Cyanotic Congenital Heart Disease

Yumi Shiina, Tomohiko Toyoda, Yasutaka Kawazoe, Shigeru Tateno, Takeaki Shirai, Yuko Wakisaka, Koza Matsuo, Yoshiko Mizuno, Koichiro Niwa

Department of Adult Congenital Heart Disease and Pediatrics, Chiba Cardiovascular Center, Japan

## Cardiovascular Epidemiology 2

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Kazuhiro Sase (Department of Clinical Pharmacology, Juntendo University Medical School, Japan)

Mariano B. Lopez (Philippine General Hospital, University of the Philippines College of Medicine, Philippines)

- P-227** LDL-C/HDL-C Ratio Predicts IMT Progression More than HDL-C or LDL-C Alone: 8-year Follow-up Study in a General Population

Mika Enomoto, Hisashi Adachi, Akira Satoh, Ako Fukami, Maki Otsuka, Shun-ichi Kumagae, Kumiko Furuki, Yasuki Nanjo, Eita Kumagai, Eishi Esaki, Kyoko Murayama, Yuji Hirai, Tsutom Imaizumi

Department of Internal Medicine, Division of Cardiovascular Medicine, Kurume University School of Medicine, Japan

- P-228** The Estimated Risk for Coronary Heart Disease and Prevalence of Hyperlipidemia among Workers of Information Technology Industries in Taiwan

Shao-Chi Yang, Yi-Lwun Ho, Kuo-Liong Chien, Ming-Fong Chen

Section of Cardiology, Department of Internal Medicine, National Taiwan University, Taiwan

- P-229** Metabolic Disorders as Predictors of Ischemic Cardiovascular Disease in People with Optimal LDL-Cholesterol

Jing Liu, Dong Zhao, Wei Wang, Miao Wang, Jiayi Sun, Jun Liu, Lanping Qin, Zhaosu Wu

Department of Epidemiology, Beijing Anzhen Hospital, China

- P-230** Gender Difference of Cardiometabolic Risk and Role of Adiponectin in Visceral Fat Obesity with Normal Waist Circumference

Daoyan Liu<sup>1</sup>, Jin Chen<sup>2</sup>, Yingxing Ni<sup>2</sup>, Zhao Zhigang<sup>2</sup>, Jian Zhong<sup>2</sup>, Zhengcheng Yan<sup>2</sup>, Weiguo Zhang<sup>2</sup>, Zhiming Zhu<sup>2</sup>

<sup>1</sup> Center for Hypertension and Metabolic Diseases, Daping Hospital, Third Military Medical University, Chongqing Institute of Hypertension, China

<sup>2</sup> Center for Hypertension and Metabolic Diseases, Daping Hospital, Third Military Medical University, China

- P-231** Associations of Plasma NT-proBNP and HDL-Cholesterol with Plasma Adiponectin in Rural Area of Bali Island

Anwar Santoso, Ketut Badjranadha, Putra Gunadhi, Ketut Rina, Wayan Wita

Department of Cardiology, Vascular Medicine, Udayana University, Indonesia

- P-232** Social Connection Disadvantage, Cardiometabolic Conditions and Mortality among Elderly Asian Americans, White and African Americans

Longjian Liu<sup>1</sup>, Jana M Mossey<sup>1</sup>, Howard J Eisen<sup>2</sup>

<sup>1</sup> Epidemiology and Biostatistics, Drexel University School of Public Health, United States

<sup>2</sup> Divison of Cardiology, Drexel University College of Medicine, United States

## Cardiovascular Epidemiology 3

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Takanobu Tomaru (*Cardiovascular Center, ICU, Toho University Medical Center Sakura Hospital, Japan*)

Rajeev Gupta (*Fortis Escorts Hospital / Mahatma Gandhi Medical College, India*)

- P-233** Association between Patients' Cardiovascular Risk Factors and Their Need in Preventive Health Care Services  
[Anna Kontsevaya](#), Anna Kalinina, Tatiana Romanenko  
*Department of Prevention in Primary Care, State Research Centre for Preventive Medicine, Russian Federation*
- P-234** A Survey of Domestic Management Consciousness of Hypertensive and/ or Diabetic Patients in Beijing Area  
[Liu Ya](#), Jun Shao Wen, Lin Jie Liu, Guang Zuo Wang  
*Department of Hypertension Research, Beijing Anzhen Hospital, Capital Medical University, China*
- P-235** The Incidence and Outcome of Acute Myocardial Infarction and Sudden Death in a Community-Dwelling Population in Northern Japan  
[Fumitaka Tanaka](#)<sup>1</sup>, Toshiyuki Onoda<sup>2</sup>, Osamu Nishiyama<sup>1</sup>, Toshiaki Sakai<sup>1</sup>, Yoshinori Kanaya<sup>1</sup>, Kiyomi Sakata<sup>2</sup>, Akira Okayama<sup>3</sup>, Motoyuki Nakamura<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Iwate Medical University, Japan*  
<sup>2</sup> *Department of Hygiene and Preventive Medicine, Iwate Medical University, Japan*  
<sup>3</sup> *Anti-Tuberculosis Association, Japan*
- P-236** High CVD Risk in Low Socioeconomic Groups in India  
[Rajeev Gupta](#)<sup>1</sup>, Aachu Agrawal<sup>2</sup>, Mukesh Sarna<sup>3</sup>, Vijay P Gupta<sup>4</sup>  
<sup>1</sup> *Department of Medicine, Fortis Escorts Hospital, Escorts Heart Institute and Research Centre, India*  
<sup>2</sup> *Department of Home Science, University of Rajasthan, India*  
<sup>3</sup> *Monilek Hospital and Research Centre, India*  
<sup>4</sup> *Department of Statistics, University of Rajasthan, India*
- P-237** Lifetime-Risk of Cardiovascular Diseases in Japanese Population: Estimates for Ischemic Heart Disease and Heart Failure Form NIPPON DATA 80  
[Tanvir Chowdhury Turin](#)<sup>1</sup>, Yoshitaka Murakami<sup>1</sup>, Nahid Rumana<sup>1</sup>, Yasuyuki Nakamura<sup>2</sup>, Yoshikuni Kita<sup>1</sup>, Takehito Hayakawa<sup>3</sup>, Tomonori Okamura<sup>4</sup>, Akira Oakayama<sup>5</sup>, Katsuyuki Miura<sup>1</sup>, Hirotsugu Ueshima<sup>1</sup>  
<sup>1</sup> *Department of Health Science, Shiga University of Medical Science, Japan*  
<sup>2</sup> *Department of Cardiovascular Epidemiology, Kyoto Women's University, Japan*  
<sup>3</sup> *Department of Hygiene and Preventive Medicine, Fukushima Medical University, Japan*  
<sup>4</sup> *Department of Preventive Cardiology, National Cardiovascular Center, Japan*  
<sup>5</sup> *The First Institute for Health Promotion and Health Care, Japan*
- P-238** Left Ventricular Mass-Volume Ratio and Hazard of Adverse Cardiovascular Events  
[Michael Chuang](#)<sup>1</sup>, Philimon Gona<sup>2</sup>, Carol J Salton<sup>1</sup>, Christopher J O'Donnell<sup>2</sup>, Warren J Manning<sup>1</sup>  
<sup>1</sup> *Division of Cardiology, Harvard Medical School/ Beth Israel Deaconess Medical Center, United States*  
<sup>2</sup> *The Framingham Heart Study, United States*

## Cardiovascular Epidemiology 4

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Takayuki Inomata (*Department of Cardio-Angiology, Kitasato University, Japan*)  
Chung-Sheng Lin (*Chung Shan Medical University Hospital, Taiwan*)

- P-239** Electrocardiographic ST-Segment and/or T-Wave Abnormality Predicts Cardiovascular Mortality in Japanese Women: NIPPON DATA 80  
**Rumana Nahid**<sup>1</sup>, Tanvir Chowdhury Turin<sup>1</sup>, Katsuyuki Miura<sup>1</sup>, Yasuyuki Nakamura<sup>2</sup>, Yoshikuni Kita<sup>1</sup>, Takehito Hayakawa<sup>3</sup>, Sohel Reza Choudhury<sup>4</sup>, Tomonori Okamura<sup>5</sup>, Akira Okayama<sup>6</sup>, Hirotsugu Ueshima<sup>1</sup>  
<sup>1</sup> *Department of Health Science, Shiga University of Medical Science, Japan*  
<sup>2</sup> *Department of Cardiovascular Epidemiology, Kyoto Women's University, Japan*  
<sup>3</sup> *Department of Hygiene and Preventive Medicine, Fukushima Medical University, Japan*  
<sup>4</sup> *Regional Country Office, World Health Organization, Bangladesh*  
<sup>5</sup> *Department of Preventive Cardiology, National Cardiovascular Center, Japan*  
<sup>6</sup> *The First Institute for Health Promotion and Health Care, Japan*
- P-240** Strong Association between Plasma Aldosterone and Metabolic Syndrome. An Epidemiologic Study in Japanese General Population  
**Eita Kumagai**, Hisashi Adachi, Yuji Hirai, Mika Enomoto, Ako Fukami, Akira Satoh, Maki Otuka, Shunichi Kumagae, Yasuki Nanjoh, Kumiko Furuki, Eishi Esaki, Kyoko Murayama, Tsutomu Imaizumi  
*Department of Internal Medicine, Division of Cardiovascular Medicine, Kurume University of Medicine, Japan*
- P-241** Associations of CRP and Fibrinogen with Subclinical Atherosclerosis in Whites in US, Japanese-American in Hawaii and Japanese in Japan  
**Shin-ya Nagasawa**<sup>1</sup>, Katsuyuki Miura<sup>1</sup>, J. David Curb<sup>2</sup>, Takashi Kadowaki<sup>1</sup>, Aya Kadota<sup>1</sup>, Kamal Masaki<sup>2</sup>, Beatriz L. Rodriguez<sup>2</sup>, Tomonori Okamura<sup>3</sup>, Yasuyuki Nakamura<sup>4</sup>, Aiman El-Saed<sup>5</sup>, Daniel Edmundowicz<sup>5</sup>, Kim Sutton-Tyrrell<sup>5</sup>, Lewis H. Kuller<sup>5</sup>, Hirotsugu Ueshima<sup>1</sup>, Akira Sekikawa<sup>5</sup>  
<sup>1</sup> *Department of Health Science, Shiga University of Medical Science, Japan*  
<sup>2</sup> *Pacific Health Research Institute, Bums School of Medicine, University of Hawaii, United States*  
<sup>3</sup> *Department of Preventive Cardiology, National Cardiovascular Center, Japan*  
<sup>4</sup> *Cardiovascular Epidemiology, Kyoto Women's University, Japan*  
<sup>5</sup> *Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, United States*
- P-242** Risk Factors for Heart Failure and Coronary Heart Disease Mortality during 24-Years Follow-up in Japan: NIPPON DATA80  
**Yasuyuki Nakamura**<sup>1</sup>, Tanvir C Turin<sup>2</sup>, Nahid Rumana<sup>2</sup>, Katsuyuki Miura<sup>2</sup>, Yoshikuni Kita<sup>2</sup>, Naoyuki Takashima<sup>2</sup>, Takehito Hayakawa<sup>3</sup>, Tomonori Okamura<sup>4</sup>, Hirotsugu Ueshima<sup>2</sup>  
<sup>1</sup> *Cardiovascular Epidemiology, Kyoto Women's University, Japan*  
<sup>2</sup> *Department of Health Science, Shiga University of Medical Science, Japan*  
<sup>3</sup> *Department of Hygiene and Preventive Medicine, Fukushima Medical University, Japan*  
<sup>4</sup> *Department of Preventive Cardiology, National Cardiovascular Center, Japan*
- P-243** Hyperuricemia is Associated with the Presence of Lifestyle-Related Diseases among Male Japanese Junior High School Students  
**Minoru Hongo**<sup>1</sup>, Hiroya Hidaka<sup>2</sup>, Shigeko Sakaguchi<sup>3</sup>, Uichi Ikeda<sup>4</sup>, Yoshikazu Yazaki<sup>5</sup>, Goro Tsuruta<sup>6</sup>, Kenichi Koike<sup>6</sup>  
<sup>1</sup> *Department of Cardiovascular Medicine, Shinshu University, Japan*  
<sup>2</sup> *Department of Biomedical Laboratory Medicine, Shinshu University School of Health Sciences, Japan*  
<sup>3</sup> *Department of Nursing, Shinshu University School of Health Sciences, Japan*  
<sup>4</sup> *Department of Cardiovascular Medicine, Shinshu University School of Medicine, Japan*  
<sup>5</sup> *Department of Cardiovascular Medicine, National Matsumoto Hospital, Japan*  
<sup>6</sup> *Department of Pediatrics, Shinshu University School of Medicine, Japan*

**P-244** Relationship between Sleep Quality and Quality of Life (QOL) in Japanese Schoolchildren: Cross-Sectional Study

[Shimako Hamanishi](#), Michikazu Sekine, Takashi Tatsuse, Sadanobu Kagamimori  
*Department of Welfare Promotion and Epidemiology, University of Toyama, Graduate School of Medicine and Pharmaceutical Sciences, Japan*

## Cardiovascular Epidemiology 5

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** [Katsuyuki Miura](#) (*Shiga University of Medical Science, Japan*)

[Jae-Hyung Kim](#) (*St. Paul Hospital Catholic University, Korea*)

**P-245** Bone Mineral Density is an Independent Determinant of Left Ventricular Diastolic Function

[Jinho Shin](#)<sup>1</sup>, [Yu Mi Kim](#)<sup>2</sup>, [Soon Gil Kim](#)<sup>1</sup>, [Chang Beom Lee](#)<sup>1</sup>, [Mi Kyung Kim](#)<sup>2</sup>, [Bo Youl Choi](#)<sup>2</sup>, [Bang Hun Lee](#)<sup>1</sup>

<sup>1</sup> *Department of Internal Medicine, Hanyang University College of Medicine, Korea*

<sup>2</sup> *Department of Preventive Medicine, Korea*

**P-246** Correlation of Body Mass Index and Severity of Coronary Artery Disease in Patients Undergoing Coronary Angiography

[Lim Gallardo Elaine](#), [Alex T Junia](#)

*Department of Adult Cardiology, Perpetual Soccour Hospital, Philippines*

**P-247** High Prevalence of Cardiovascular Risk in Indonesia

[Yukio Yamori](#), [Mari Mori](#), [Hideki Mori](#), [Kazuhiro Kunimasa](#), [Tomoki Tatefuji](#)

*Mukogawa Women's University, Institute for World Health Development, Japan*

**P-248** Relationship between Quality of Life and Cardiovascular Function in Patients with Chronic Heart Failure

[Ayako Saitoh](#)<sup>1</sup>, [Shigeko Kojima](#)<sup>1</sup>, [Yoshimi Iwata](#)<sup>2</sup>, [Aya Takeuchi](#)<sup>2</sup>, [Yuriko Takematsu](#)<sup>3</sup>, [Michiko Ichiyanagi](#)<sup>2</sup>, [Terumi Miyashita](#)<sup>3</sup>, [Natsuki Nakayama](#)<sup>4</sup>, [Naomi Kotera](#)<sup>2</sup>, [Hiromi Tsuchiya](#)<sup>5</sup>, [Kenzo Shibayama](#)<sup>2</sup>

<sup>1</sup> *Department of Adult Nursing, Fujita Health University School of Health Sciences, Japan*

<sup>2</sup> *Division of Critical Care, Fujita Health Graduate School of Health Sciences, Japan*

<sup>3</sup> *Department of Nursing, Fujita Health University Hospital, Japan*

<sup>4</sup> *Lecturer, Nursing Practicum, Department of Nursing College of Life and Health Sciences, Chubu University, Japan*

<sup>5</sup> *Department of Nursing, JA Aichi Anjyo-Kousei Hospital, Japan*

**P-249** QOL Evaluation in Patients with Chronic Heart Failure Treated at Home

[Yuriko Takematsu](#)<sup>1</sup>, [Shigeko Kojima](#)<sup>2</sup>, [Yoshimi Iwata](#)<sup>3</sup>, [Aya Takeuchi](#)<sup>3</sup>, [Ayako Saitoh](#)<sup>2</sup>, [Michiko Ichiyanagi](#)<sup>3</sup>, [Terumi Miyashita](#)<sup>1</sup>, [Natsuki Nakayama](#)<sup>4</sup>, [Naomi Kotera](#)<sup>3</sup>, [Hiromi Tsuchiya](#)<sup>5</sup>, [Kenzo Shibayama](#)<sup>3</sup>

<sup>1</sup> *Department of Nursing, Fujita Health University Hospital, Japan*

<sup>2</sup> *Department of Adult Nursing, Fujita Health University School of Health Sciences, Japan*

<sup>3</sup> *Division of Critical Care, Fujita Health Graduate School of Health Sciences, Japan*

<sup>4</sup> *Lecturer, Nursing Practicum, Department of Nursing College of Life and Health Sciences, Chubu University, Japan*

<sup>5</sup> *Department of Nursing, JA Aichi Anjyo-Kousei Hospital, Japan*

**P-250** Quality of Life and Mood Disturbance during the First Year of Patients with Implantable Cardioverter Defibrillators

[Nao Saitoh](#)<sup>1</sup>, [Chiemi Taru](#)<sup>1</sup>, [Akihiro Yoshida](#)<sup>2</sup>, [Koji Fukuzawa](#)<sup>2</sup>, [Kaoru Takami](#)<sup>2</sup>, [Hiroyuki Kumagai](#)<sup>2</sup>,

[Misturu Takami](#)<sup>2</sup>, [Satoko Torii](#)<sup>2</sup>, [Kennichi Hirata](#)<sup>2</sup>, [Hideyuki Shiotani](#)<sup>1</sup>, [Yuichi Ishikawa](#)<sup>1</sup>, [Ikuko Miyawaki](#)<sup>1</sup>

<sup>1</sup> *Department of Nursing, Kobe University, Japan*

<sup>2</sup> *Department of Cardiology, Kobe University, Japan*

## Cardiovascular Pharmacology 1

Thursday, May 21st, 17:10-18:10

**Chairpersons:** Teruyuki Yanagisawa (*Department of Molecular Pharmacology, Tohoku University Graduate School of Medicine, Japan*)Hyo-Soo Kim (*Seoul National University College of Medicine, Korea*)**P-251** The Antioxidant Effects of Quercetin Metabolites on Prevention of High Glucose-Induced Apoptosis of Human Umbilical Vein Endothelial CellsFeng Ming Ho<sup>1</sup>, Pei-Dawn Lee Chao<sup>2</sup>, Chia-Lun Chao<sup>1</sup>, Yu-Chi Hou<sup>2</sup><sup>1</sup> *Department of Internal Medicine, Taoyuan General Hospital, Taiwan*<sup>2</sup> *School of Pharmacy, China Medical University, Taiwan***P-252** Antithrombotic Therapy in Patients with Atrial Fibrillation after Percutaneous Coronary Intervention

Dong Bin Kim, Beom June Kwon, Sung Won Jang, Myung Jin Kim, Sung Ho Heo, Woo Seung Shin, Ji Hoon Kim, Jong Min Lee, Keon Woong Moon, Seung Won Jin, Yong Seog Oh, Ki Dong Yoo, Ho Joong Youn, Man Young Lee, Wook Sung Chung, Ki Bae Seung, Tai Ho Rho, Jae Hyung Kim, Kyu Bo Choi

*The Korea Cardiovascular Center, The Catholic University, Korea***P-253** Effect of Atorvastatin on Paraoxonase (PON) Gene Family and Oxidative Status in Hypercholesterolaemic PatientsAmar Nagila<sup>1</sup>, Surrerut Porntadavity<sup>2</sup>, T Permpongpaiboon<sup>2</sup>, S Tantraronroj<sup>2</sup>, P Porapakham<sup>3</sup><sup>1</sup> *Department of Biochemistry, School of Pharmaceutical and Biomedical Sciences, Pokhara University, Nepal*<sup>2</sup> *Department of Clinical Chemistry, Faculty of Medical Technology, Mahidol University, Thailand*<sup>3</sup> *Department of Cardiology, Chest Disease Institute, Thailand***P-254** Beneficial Effects of Daming Capsule (DMC) on Cardiovascular Diseases (CVD)

Yong Zhang, Jing Ai, Hongli Shan, Chaoqian Xu, Benzhi Cai, Yanjie Lu, Zhiguo Wang, Baofeng Yang

*Department of Pharmacology, Harbin Medical University, China***P-255** Metaanalysis on the Effects of Vitamin E on Cardiovascular Outcomes in High Risk Patients, an Update

Queenie Guinto Ngalob, Rodel N Delgado, Geraldine Z Racaza, Michael Joseph F Agbayani,

Gregory Ryan A Ardena, Rommel R Geronimo, Regina P Berba

*Department of Medicine, University of the Philippines- Philippine General Hospital, Philippines***P-256** Nicorandil Enhances the Risk of Aspirin-related Hemorrhagic Gastroduodenal Mucosal Injury in Patients with Cardiovascular DiseaseYasuhiro Takahashi<sup>1</sup>, Hitoshi Takano<sup>1</sup>, Mai Akiya<sup>1</sup>, Hirotake Okazaki<sup>1</sup>, Hidenori Komiyama<sup>1</sup>, Chizuko Hara<sup>1</sup>,Taisuke Sato<sup>1</sup>, Takayuki Yanagida<sup>1</sup>, Shuhei Tara<sup>1</sup>, Eisei Yamamoto<sup>1</sup>, Masamichi Takano<sup>1</sup>, Gen Takagi<sup>1</sup>,Kuniya Asai<sup>1</sup>, Masahiro Yasutake<sup>1</sup>, Kazumasa Miyake<sup>2</sup>, Choitsu Sakamoto<sup>2</sup>, Kyoichi Mizuno<sup>1</sup><sup>1</sup> *Department of Cardiology, Nippon Medical School, Japan*<sup>2</sup> *Department of Gastroenterology, Nippon Medical School, Japan*

## Cardiovascular Pharmacology 2

Thursday, May 21st, 17:10-18:10

**Chairpersons:** Masao Endoh (*Yamagata University, Japan*)Prasart Laothavorn (*The Heart Association of Thailand, Thailand*)**P-257** Oral Folic Acid, Serum Homocysteine and Morbidity of Patients with Chronic Stable Angina

Farzad Seyyed Jalali, K. Hajian, M.R. Niaki

*Department of Cardiology, Babol University of Medical Sciences, Iran*

- P-258** Chymase Inhibition Attenuates Left Ventricular Remodeling Induced by Intermittent Hypoxia Relevant to Sleep Apnea  
 Tetsuya Hayashi<sup>1</sup>, Masatoshi Miyamura<sup>1</sup>, Tatsuhiko Mori<sup>1</sup>, Akira Ukimura<sup>1</sup>, Yasushi Kitaura<sup>1</sup>, Denan Jin<sup>2</sup>, Shinji Takai<sup>2</sup>, Michio Asahi<sup>2</sup>  
<sup>1</sup> Department of Internal Medicine III, Osaka Medical College, Japan  
<sup>2</sup> Department of Pharmacology, Osaka Medical College, Japan
- P-259** Effects of Nicorandil on Cyclic Strain-Induced Endothelin-1 Expression in Human Umbilical Vein Endothelial Cells  
 Ju-Chi Liu<sup>1</sup>, Hung-Hsin Chao<sup>2</sup>, Tzu-Hung Cheng<sup>3</sup>, Jin-Jer Chen<sup>4</sup>  
<sup>1</sup> Department of Medicine, Taipei Medical University-Shuang Ho Hospital, Taiwan  
<sup>2</sup> Department of Cardiac Surgery, Shin Kong Wu Ho-Su Memorial Hospital, Taiwan  
<sup>3</sup> Department of Biological Science and Technology, School of Life Science, China Medical University, Taiwan  
<sup>4</sup> Institute of Biomedical Science, Academia Sinica, Taiwan
- P-260** Urotensin II-Induced Cell Proliferation via Epidermal Growth Factor Receptor Transactivation in Rat Aortic Smooth Muscle Cells  
 Tzu-Hung Cheng<sup>1</sup>, Chien-Sung Tsai<sup>2</sup>, Shih-Hung Loh<sup>3</sup>, Jin-Jer Chen<sup>4</sup>  
<sup>1</sup> Department of Biological Science and Technology, China Medical University, Taiwan  
<sup>2</sup> Division of Cardiovascular Surgery, Tri-Service General Hospital, National Defense Medical Center, Taiwan  
<sup>3</sup> Graduate Institute of Medical Sciences, National Defense Medical Center, Taiwan  
<sup>4</sup> Department of Internal Medicine, National Taiwan University Hospital and National Taiwan University College of Medicine, Taiwan
- P-261** Central Angiotensin II AT 1 Receptors Mediate Cerebral Damage Variability to Acute Hyperthermia in Hypertensive Rats  
 Tung-Jing Fang<sup>1</sup>, T.L Hsieh<sup>2</sup>, J.H Cheng<sup>3</sup>, W.G Luo<sup>2</sup>, Kae-Shin Lin<sup>4</sup>  
<sup>1</sup> Department of Internal Medicine, Songshan Armed Forces General Hospital, Taiwan, Taiwan  
<sup>2</sup> Department of Internal Medicine, Songshan Armed Forces General Hospital, Taiwan  
<sup>3</sup> Department of Biology and Anatomy, National Defense Medical Center, Taiwan  
<sup>4</sup> Department of Pharmacology, National Yang-Ming University, Taiwan
- P-262** Toxic Effects of Arsenic Trioxide on the Heart  
 Yanjie Lu, Xiaoyan Zhao, Hongli Shan, Wenfeng Chu, Yong Zhang, Zhiguo Wang, Baofeng Yang  
 Department of Pharmacology, Harbin Medical University, China

## POSTER SESSIONS 9

Annex Hall 1

### Clinical Trials 1

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Hideo Kusuoka (Osaka National Hospital, Japan)

Chiau-Suong Liau (Cardiovascular Center, Buddhist Tzu Chi General Hospital, Taipei Branch, Taiwan)

- P-263** Randomized Clinical Trial of Danaparoid Sodium in Heparin Induced Thrombocytopenia (HIT)  
 Bahram Fariborz Farsad<sup>1</sup>, Kheirollah Gholami<sup>2</sup>, Mostafa Alavi<sup>3</sup>, Abbas Zavarehie<sup>4</sup>, Hooman Bakhshandeh<sup>5</sup>, Somayyeh Ahmadi<sup>1</sup>, Somayyeh Nasiripour<sup>1</sup>  
<sup>1</sup> Pharmacotherapy, Rajaie Heart Center, Iran  
<sup>2</sup> Pharmacotherapy Department, Faculty of Pharmacy, Tehran University of Medical Sciences, Iran  
<sup>3</sup> Department of Anesthesiology, Rajaie Heart Center, Iran  
<sup>4</sup> Clinical Laboratory, Rajaie Heart Center, Iran  
<sup>5</sup> Epidemiologist, Rajaie Heart Center, Iran
- P-264** The Importance of Metabolic Syndrome as a Risk Factor for Acute Myocardial Infarction  
 Michiko Tanaka  
 Department of Health Screening and Consultation, Fukuoka Red Cross Hospital, Japan

- P-265** Does Coexistent Cerebral Artery Stenosis Impose a Higher Rate of Events in Coronary Heart Disease: 3-year Follow-up  
 Ai Hsien Li, Jung-Cheng Hsu, Shu-Hsun Chu, Kuan-Ming Chiu  
 Department of Cardiology, Far Eastern Memorial Hospital, Taiwan
- P-266** Effectiveness of Early EPA Treatment in Plaque Regression in Patients with Acute Coronary Syndrome  
 Akihisa Nishino, Katsumi Miyauchi, Takayuki Yokoyama, Natsuko Yamamoto, Naohisa Nakajima, Kenji Yaginuma, Hiroshi Tamura, Takahiko Kojima, Ken Yokoyama, Takeshi Kurata, Hiroyuki Daida  
 Department of Cardiovascular Medicine, Juntendo University, Japan
- P-267** Randomised Trial of Early Stress MPI for Patients Presenting to Emergency Department ITH Chest Pain but Non-Diagnostic ECG  
 Swee Han Lim, V Anantharaman, Terence Chua, Felix Sundram, Soo Teik Lim, Edwin Chan, Edward Jacob  
 Department of Emergency Medicine, Singapore General Hospital, Singapore

## Clinical Trials 2

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Hiroshi Okamoto (*Hokkaido Medical Center (Nishi Sapporo Hospital), Japan*)  
 Basuni Radi (*Harapan Kita, National Cardiovascular Center, Indonesia*)

- P-268** Frequent Measurement of Plasma Brain Natriuretic Peptide Improves Outcome in Heart Failure  
 Hideki Itaya, Tadashi Araki, Masato Yamamoto, Toshiyuki Degawa  
 Department Cardiology, Sempo Tokyo Takanawa Hospital, Japan
- P-269** The Effect of Acute Preload Reduction by Haemodialysis on Systolic Function of the Right Ventricle in Patients with Chronic Renal Failure  
 Mehmet Akkaya<sup>1</sup>, Mustafa Yilmaz<sup>2</sup>  
<sup>1</sup> Department of Cardiology, Bursa Military Hospital, Turkey  
<sup>2</sup> Department of Cardiology, Yuksek Ihtisas Hospital, Turkey
- P-270** Effects of Valsartan on Myocardial Fibrosis and Diastolic Dysfunction in Hypertensives  
 Hisashi Kai, Yoshihiko Mizuta, Tsutomu Imaizumi  
 Department of Medicine Division of Cardiovascular Medicine, Kurume University, Japan
- P-271** The Predictive Value of Transmitral Flow Propagation Velocity on Left Atrial Appendage Functions  
 Mehmet Akkaya<sup>1</sup>, Mustafa Yilmaz<sup>2</sup>  
<sup>1</sup> Department of Cardiology, Bursa Military Hospital, Turkey  
<sup>2</sup> Department of Cardiology, Yuksek Ihtisas Hospital, Turkey
- P-272** Chief: Chinese Hypertension Intervention Efficacy Study  
 Liyuan Ma, Wen Wang, Yuqing Zhang, Lisheng Liu  
 Department of Evidence-Base Medicine, Cardiovascular Institute and Fuwai Hospital, China

## Clinical Trials 3

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Jong-Dae Lee (*Department of Cardiovascular Medicine, University of Fukui Hospital, Japan*)  
 Aizai Azan Abdul Rahim (*National Heart Institute, Malaysia*)

- P-273** Correlation between Coronary Calcium and Predicted Coronary Artery Disease Risk Based on Framingham, Atpiii and Procam Risk Scores  
 Trinh Xuan Nguyen, Vu Tuan Nguyen, Hai Thanh Phan  
 Department of Cardiology, Medic Medical Center, Vietnam

- P-274** Coronary Angiography with 64-slice MSCT: Effect of Atrial Fibrillation on Image Quality  
 Trinh Xuan Nguyen, Vu Tuan Nguyen, Hai Thanh Phan  
 Department of Cardiology, Medic Medical Center, Vietnam
- P-275** Safety and Efficacy of Coronary and Cerebrovascular Angiography during Same Procedure in Patients with Cerebrovascular Disease  
 Tomoyuki Yamada, Takahiro Tanaka, Yuji Kira, Junichi Sato, Akihito Kosaka, Akiko Ishihara  
 Department of Cardiology, Showa General Hospital, Japan
- P-276** Can Linseed Correct Hyperlipidemia?  
 Farzad Seyyed Jalali, K. Hajian, M.R. Niaki  
 Department of Cardiology, Babol University of Medical Sciences, Iran
- P-277** Aspirin Resistance is Related to Low Dosage in Coronary Artery Disease  
 Md Shahadat Hossain<sup>1</sup>, Haque Sirajul K. M. H. S.<sup>2</sup>  
<sup>1</sup> Department of Cardiology, Rajshahi Medical College Hospital, Bangladesh  
<sup>2</sup> Department of Cardiology, Dhaka Medical College, Bangladesh

## POSTER SESSIONS 10

Annex Hall 1

### Pediatric Cardiology 1

Thursday, May 21st, 17:10-18:10

**Chairpersons:** Koichiro Niwa (Department of Adult Congenital Heart Disease and Pediatric Cardiology, Chiba Cardiovascular Center, Japan)

Heung Jae Lee (Pediatrics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)

- P-278** Prediction of Non-responsiveness after 1g/Kg Intravenous Immunoglobulin in Kawasaki Disease Patients  
 Koichi Nihei, Kayo Yamaguchi, Kaoru Hirai, Misako Inoue, Hiroaki Nakamura, Yuko Oda, Hidenori Dokai, Junko Nakazato, Koichi Mizuguchi, Junko Fujiwara, Kiyoto Nasuno, Toshihiko Hosono, Masaru Kishida  
 Second Department of Pediatrics, Toho University, Japan
- P-279** Evaluation of Platelet Activation in Kawasaki Disease by Platelet-Derived Microparticles  
 Tomoyo Yahata<sup>1</sup>, Kenji Hamaoka<sup>1</sup>, Akiko Hamaoka<sup>1</sup>, Maiko Fujii<sup>1</sup>, Seiichiro Ozawa<sup>1</sup>, Zenro Kizaki<sup>2</sup>, Hiroshi Nakajima<sup>3</sup>  
<sup>1</sup> Department of Pediatric Cardiology and Nephrology, Kyoto Prefectural University of Medicine, Japan  
<sup>2</sup> Department of Pediatrics, Kyoto 1st Red-Cross Hospital, Japan  
<sup>3</sup> Department of Pediatrics, Saiseikai Kyoto Hospital, Japan
- P-280** Exercise Capacity in Children with Ventricular Arrhythmias  
 Beata Pietrucha, Agata Sulik, Jolanta Oko-Lagan, Beata Zaluska-Pitak, Krystyna Gut, Andrzej Rudzinski  
 Department of Children Cardiology, University Children Hospital of Jagiellonian University, Poland
- P-281** A Rare Association in an Uncommon Condition: Constrictive Pericarditis in a Child  
 Swee Chye Quek  
 Paediatrics, National University of Singapore, Singapore
- P-282** Mid- to Long-Term Follow-up of 44 Children with Kawasaki Disease Complicated with Medium or Giant Coronary Aneurysm  
 Zhong-Dong Du, Chao Duan  
 Department of Cardiology, Beijing Children's Hospital, Capital Medical University, China
- P-283** An Adult Mortal Case of Cardiac Tamponade Due to Rupture of Coronary Artery Aneurysm Related to Kawasaki Disease in Infancy  
 Takao Namiki<sup>1</sup>, Aizan Hirai<sup>2</sup>, Yoshitomo Okajima<sup>2</sup>  
<sup>1</sup> Department of Frontier Japanese-Oriental Medicine, Chiba University, Japan  
<sup>2</sup> Tougane Prefectural Hospital, Japan

## Pediatric Cardiology 2

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Masami Nagashima (*Aichi Children's Health and Medical Center, Japan*)  
Anna Ulfah Rahajoe (*Indonesian Heart Association, Indonesia*)

- P-284** Hypertension-Induced Posterior Reversible Encephalopathy Syndrome in the Young  
Jong-Hau Hsu, Zen-Kong Dai, Jiunn-Ren Wu  
*Department of Pediatrics and Graduate Institute of Medicine, Kaohsiung Medical University Hospital, Kaohsiung Medical University, Taiwan*
- P-285** Differential Diagnosis of Children with Hypertension  
Zhong-Dong Du, Chong Liu  
*Department of Cardiology, Beijing Children's Hospital, Capital Medical University, China*
- P-286** Non-Invasive Evaluation of Aortic Blood Flow in Normal Taiwanese  
Kai-Sheng Hsieh<sup>1</sup>, Jia-Kan Chang<sup>2</sup>, Chu-Chuan Lin<sup>1</sup>, Da-Cheng Hwang<sup>1</sup>, Ken-Pen Wen<sup>1</sup>  
<sup>1</sup> *Department of Pediatrics, Kaohsiung Veterans General Hospital, Taiwan*  
<sup>2</sup> *Cheng-Hsin General Hospital, Taiwan*
- P-287** Treatment of Full-Term Infants with Patent Ductus Arteriosus Based on Preterm Infants  
Sin-Ae Park, Kang Wook Lee, Mi Kyung Kim, Hyang Soon Song  
*Department of Pediatrics, Presbyterian Medical Center, Korea*
- P-288** A Study of Some Biochemical Parameters of Pulmonary Hypertension in Children with Congenital and Rheumatic Heart Disease  
Hasan Aljefri<sup>1</sup>, Safiaa Abdolfattah Eldeeb<sup>2</sup>, Salah Eldeen Amry Ahmed<sup>2</sup>  
<sup>1</sup> *Pediatrics, Haddrahmout University, Yemen*  
<sup>2</sup> *Department of Pediatrics, Assiut University, Egypt*
- P-289** Pattern of Cardiac Problem in Children Referred to Echocardiography in Mukalla City  
Hasan Aljefri<sup>1</sup>, Salah Eldeen Amry Ahmed<sup>2</sup>  
<sup>1</sup> *Pediatrics, Haddrahmout University, Yemen*  
<sup>2</sup> *Department of pediatrics, Assiut University, Egypt*

## Pediatric Cardiology 3

Thursday, May 21st, **17:10-18:10**

**Chairpersons:** Toshio Nakanishi (*Heart Institute, Tokyo Women's Medical University, Japan*)  
Hung-Chi Lue (*National Taiwan University College of Medicine, Taiwan*)

- P-290** Role of Computed Tomography in Pediatric Cardiology for Neonates with Congenital Heart Diseases  
Jia-Kan Chang<sup>1</sup>, Kai-Sheng Hsieh<sup>2</sup>, Chu-Chuan Lin<sup>2</sup>, Ta-Cheng Hwang<sup>2</sup>, Ching-Yen Pan<sup>3</sup>, Min-Ting Wu<sup>4</sup>  
<sup>1</sup> *Department of Pediatrics, Cheng-Hsin General Hospital, Taiwan*  
<sup>2</sup> *Department of Pediatrics, Veterans General Hospital Kaohsiung, Taiwan*  
<sup>3</sup> *Department of Surgery, Veterans General Hospital Kaohsiung, Taiwan*  
<sup>4</sup> *Department of Radiology, Veterans General Hospital Kaohsiung, Taiwan*
- P-291** Pentalogy of Cantrell: 2 Case Reports  
Nabeel Abdu Al-Mashraki, Mohmmmed Al-Surmi  
*Pediatric Cardiology, Al-Thawra Teaching Hospital, Sana'a, Yemen*
- P-292** Familial Hyperchylomicronemia Syndrome-A Case Report  
Nabeel Abdu Al-Mashraki  
*Pediatric Cardiology, Al-Thawra Teaching Hospital, Sana'a, Yemen*

- P-293** Does Delayed Correction Interfere with Pulmonary Functions in Patients with Tetralogy of Fallot?  
Reza Miri<sup>1</sup>, Paridokht Nakhostin Davari<sup>2</sup>  
<sup>1</sup> Department of Pediatric Cardiology, Rajaie Heart Center and Qom Medical University, Iran  
<sup>2</sup> Department of Pediatric Cardiology, Rajaie Heart Center, Iran
- P-294** Epidemiology of Congenital Heart Diseases in Iran; An Interesting Finding  
Reza Miri<sup>1</sup>, Mahmoud Mearaji<sup>2</sup>  
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- P-295** Hyperuricemia in Congenital Heart Diseases  
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