

General Cardiology 1

Friday, May 22nd, 17:00-18:00

Chairpersons: Yoshihiko Seino (*Nippon Medical School Chiba-Hokusho Hospital, Japan*)
K. Srinath Reddy (*Public Health Foundation of India, India*)

- P-296** Prevalence of Carotid Artery Stenosis in Patients with Coronary Artery Disease-A Philippine Heart Center (PHC) Experience
Emily Cruz Lapena, Rosella S Arellano
Section of Vascular Medicine, Department of Adult Cardiology, Philippine Heart Center, Philippines
- P-297** Nitroglycerin Test and Troponin T in Predicting Undiagnosed Patients with Coronary Artery Disease
Kathleen Feri Sabiniano, Kurt Glenn Jacoba
Department of Cardiology, Philippine Heart Center, Philippines
- P-298** KLOTTHO Gene Polymorphism is Associated with Coronary Artery Stenosis but not with Coronary Calcification in Koreans
Sang-Ho Jo, Young Jin Choi, Goo-Yeong Cho, Hyun-Sook Kim, Chong-Yun Rhim
Internal Medicine, Hallym University Sacred Heart Hospital, Korea
- P-299** Total Plasma Homocysteine Status in Iranian Patients with Proven Coronary Artery Disease
Kayvan Abbasi¹, Saeed Sadeghian², Ali Abbasi¹, Mohammad Alidoosti², Ebrahim Nematipoor², Mohammad Ali Boroumand³, Abbas Ali Karimi⁴, Seyed Hesameddin Abbasi¹, Elham Ameli⁵
¹ *Department of Cardiovascular Research, Department of Cardiology, Tehran University of Medical Sciences, Iran*
² *Department of Cardiology, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*
³ *Department of Medical Laboratory, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*
⁴ *Department of Cardiac Surgery, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*
⁵ *Department of Cardiovascular Research, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*
- P-300** Paradoxical Systolic Blood Pressure Elevation after Exercise as a Predictor of Coronary Artery Disease
Cho-Kai Wu, Ming-Fong Chen, Juey-Jen Hwang, Yuan-The Lee, Ta-Chen Su
Department of Cardiology, National Taiwan University Hospital, Taiwan
- P-301** Realworld Lipid Control in High-Risk Coronary Artery Disease Patients -A Single-Centre Study
Thu-Thao Le¹, Ru-San Tan², Mahendra Achyut Kare², Fang Yee Chee², Nu Wai Sann²
¹ *Research and Development Unit, National Heart Centre, Singapore*
² *Department of Cardiology, National Heart Centre, Singapore*

General Cardiology 2

Friday, May 22nd, 17:00-18:00

Chairpersons: Hirofumi Kambara (*Shizuoka General Hospital, Japan*)
Ian Scott (*University of Queensland, Australia*)

- P-302** Role of Troponin I in Determining Left Ventricular Ejection Fraction of < 40 % in Patients with First Acute Anterior ST Elevation Myocardial Infarction
Ayaz Hussain Shaikh, Bashir Hanif, Faiza Malik
Department of Cardiology, Tabba Heart Intitute, Pakistan
- P-303** Profile of Cardiac Ventricular Rupture after Acute Myocardial Infarction in the Current Era
Angela S Koh¹, Yee Jim Loh², Yeong Phang Lim², Ju Le Tan¹
¹ *Department of Cardiology, National Heart Centre, Singapore*
² *Department of Cardiothoracic Surgery, National Heart Centre, Singapore*
- P-304** Associations of Serum Neopterin with Risk of Cardiovascular Events in Acute Coronary Syndromes in Bali
Anwar Santoso
Department of Cardiology, Vascular Medicine, Udayana University, Indonesia

- P-305** Symmetrical T Wave Inversion in Precordial ECG Leads; Should We Consult Dr. HJ Wellens?
 Ali Mehmood Raufi¹, Muaz Urabi¹, Muhammad Asad Ali¹, Muhammad Adnan Raufi²
¹ Internal Medicine, Detroit Medical Center/ Wayne State University, United States
² Cardiology, Detroit Medical Center/ Wayne State University, United States
- P-306** In an Asian Population of Patients with Inferior STEMI, Is the Current ECG Diagnostic Criteria of Atrial Infarction Still Applicable?
 Julian K.B. Tan, Daniel Chong, Chee Tang Chin, Soo Teik Lim
 Department of Cardiology, National Heart Centre Singapore, Singapore
- P-307** Exercise Tolerance and Hemoglobin A1c during Cardiac Rehabilitation after Acute Myocardial Infarction: Impact of Gender
 Tomomi Koizumi, Shigeru Makita, Kazuo Matsumoto, Nobuyuki Komiyama, Shigeyuki Nishimura
 Division of Cardiology, Saitama Medical University International Medical Center, Japan

General Cardiology 3

Friday, May 22nd, 17:00-18:00

Chairpersons: Koichi Yoshimura (Department of Molecular Cardiovascular Biology, Yamaguchi University School of Medicine, Japan)

Suthep Wanitkun (Department of Pediatrics, Ramathibodi Hospital, Thailand)

- P-308** The Prognostic Value of B-type Natriuretic Peptide and GRACE Score in Patients with Acute Coronary Syndrome
 Yihong Sun, Dayi Hu, Yuanyuan Fu, Guilian Wang
 Department of Cardiology, Peking University People's Hospital, China
- P-309** Are Traditional ECG Criteria Still Applicable in Identifying Patients with Right Ventricular Infarction on Coronary Angiography in Asia
 Daniel Thuan Tee Chong, Chee Tang Chin, Soo Teik Lim
 Department of Cardiology, National Heart Centre, Singapore
- P-310** Clinical Significance of ST Segment Elevation in Lead aVR as Predictor of Left Main Coronary Artery Occlusion in Acute Coronary Syndrome
 Norberto Ocapan Tuano, Ronaldo Cristobal Manuel
 Department of Adult Cardiology, Philippine Heart Center, Philippines
- P-311** Enhanced Expression of S100A8/A9 Complex in the Myocardium of Patients with Acute Myocardial Infarction
 Takashi Katashima¹, Fumio Terasaki¹, Masatoshi Fujita², Kaoru Otsuka¹, Shougo Murakami¹, Yumiko Kanzaki¹, Shuichi Fujita¹, Shoichi Miyamoto³, Michiaki Hiroe⁴, Takahiko Naruko⁵, Yoshihiro Ikura⁶, Makiko Ueda⁶, Masaki Ikemoto², Yasushi Kitaura¹
¹ Third Department of Internal Medicine, Osaka Medical College, Japan
² Human Health Sciences, Kyoto University Graduate School of Medicine, Japan
³ Division of Cardiology, Kitano Hospital, Tadukekofukai Medical Research Institute, Japan
⁴ Department of Cardiology, International Medical Center of Japan, Japan
⁵ Department of Cardiology, Osaka City General Hospital, Japan
⁶ Department of Pathology, Osaka City University Graduate School of Medicine, Japan
- P-312** A New Flow Chart in CTA/CACS Screening: HsCRP Utility for Detecting Subclinical Atherosclerosis
 Yusheng Lin¹, Pao-Hsien Chu²
¹ Department of Internal Medicine/ Health Promotion Center, Taoyuan Branch, Chang Gung Memorial Hospital, Taiwan
² The First Division of Cardiology, Department of Internal Medicine, Chang Gung Memorial Hospital, Chang Gung University College of Medicine, Taiwan
- P-313** Coronary Artery Dominance Vary Across 3 Different Major Ethnic Groups in Asia
 Daniel Thuan Tee Chong, Soo Teik Lim, Chee Tang Chin
 Department of Cardiology, National Heart Centre, Singapore

General Cardiology 4

Friday, May 22nd, **17:00-18:00**

Chairpersons: Fumitaka Nakamura (*Teikyo University Chiba Medical Center, Japan*)
Matthew Ma (*National Resuscitation Council of Taiwan & Department of Emergency Medicine, National Taiwan University Hospital, Taiwan*)

- P-314** Cardiac Parameters among End Stage Liver Disease Patients in Pakistan
Tabish Hussain¹, Yu Shu Li¹, Abbas Hayat², Roshan Ara³
¹ Department of Cardiology, Union Hospital, Tongji Medical College, China
² Department of Pathology, Rawalpindi General Hospital, Pakistan
³ Cardiology Department, Roshan Medical Center, Pakistan
- P-315** Comparison of Echocardiographic and Fluoroscopic Evaluation of Mitral Valve Calcification as a Predictor of Immediate Outcome of PTMC
Chito Caimoy Permejo
Adult Cardiology, Division of Critical Care, Philippine Heart Center, Philippines
- P-316** Clinical and Echocardiographic Predictors of Survival, One Month after Surgical Correction of Mitral Regurgitation
Cornelio Borreros, Mildred Sayco
Department of Adult Cardiology, Philippine Heart Center, Philippines
- P-317** Acute Effect of Normobaric Hypoxia on Cardiac Function during Exercise
Taira Fukuda¹, Taketeru Maegawa², Akihiro Matsumoto³, Yutaka Komatsu², Toshiaki Nakajima¹, Ryoza Nagai¹, Takashi Kawahara²
¹ Cardiovascular Department of Internal Medicine, University of Tokyo, Japan
² Japan Institute of Sports Sciences, Japan
³ Japan Women's College of Physical Education, Japan
- P-318** Mechanisms of the Attenuated Cardiac Output Response during Exercise in Cardiac Patients
Taira Fukuda¹, Akihiro Matsumoto², Miwa Kurano-Meguro¹, Haruhito Takano¹, Haruko Iida¹, Taketeru Maegawa³, Yutaka Komatsu³, Takashi Kawahara³, Yasunobu Hirata¹, Ryoza Nagai¹, Toshiaki Nakajima¹
¹ Cardiovascular Department of Internal Medicine, University of Tokyo, Japan
² Japan Women's College of Physical Education, Japan
³ Japan Institute of Sports Sciences, Japan
- P-319** Prognosis of Patients with Severe Mitral Regurgitation Due to Mitral Chorda Tendinea Rupture; A Prospective Follow-up Study
Burak Pamukcu, Ebru Golcuk, Berrin Umman, Zehra Bugra
Department of Cardiology, Faculty of Medicine, Istanbul University, Turkey

General Cardiology 5

Friday, May 22nd, **17:00-18:00**

Chairpersons: Ryuichiro Anan (*Cardiovascular Medicine, Kagoshima University Hospital, Japan*)
Ludgerio D. Torres (*Philippine Heart Center, Philippines*)

- P-320** Current Management of Hyperglycaemia in Acute Coronary Syndromes, A National Survey
Victor A Umans, Maarten de Mulder, Janhein Cornel
Cardiology, Medical Center Alkmaar, Netherlands
- P-321** Major Adverse Cardiac Events and its Timing during Endurance Races
Victor A Umans, Anne Belonje, Jaap Ruiten
Cardiology, Medical Center Alkmaar, Netherlands
- P-322** Aortic Arch Aneurysm Presenting with Syncope
Rainier Soriano Poloyapoy, John C Anonuevo
Department of Cardiology, University of the Philippines-Philippine General Hospital, Philippines

- P-323** Elevated Levels of Soluble CD40 Ligand in Patients with Cardiac Syndrome X
[Evin Bozcali](#)¹, [Solen Himmetoglu](#)², [Huriye Balci](#)³, [Betul Cengiz](#)¹, [Erhan E Babalik](#)⁴
¹ Department of Cardiology, Istanbul University, Cerrahpasa Faculty of Medicine, Turkey
² Department of Biochemistry, Istanbul University, Cerrahpasa Faculty of Medicine, Turkey
³ Fikret Biyal Central Research Laboratory, Istanbul University, Cerrahpasa Faculty of Medicine, Turkey
⁴ Department of Cardiology, Istanbul Memorial Hospital, Turkey
- P-324** Low Use of Secondary Prevention Therapies in India
[Rajeev Gupta](#)¹, [Krishan K Sharma](#)¹, [Aachu Agrawal](#)², [Sanjeeb Roy](#)¹, [Atul Kasliwal](#)¹, [Jitender S Makkar](#)¹,
[Ajeet Bana](#)¹, [Ravindra K Tongia](#)¹
¹ Department of Medicine, Fortis Escorts Hospital, Escorts Heart Institute and Research Centre, India
² Department of Home Science, University of Rajasthan, India
- P-325** Metabolic Syndrome and C-Reactive Proteins as Predictor of Cardiovascular Events
[Felibert Olila Dianco](#)
 Department of Adult Cardiology-Non Invasive section, Philippine Heart Center, Philippines

General Cardiology 6

Friday, May 22nd, **17:00-18:00**

Chairpersons: [Yasuyuki Nakamura](#) (Kyoto Women's University, Japan)
[Phan Van Nguyen](#) (Heart Institute, Vietnam)

- P-326** Pulmonary Artery Sarcoma: A Masquerade
[Ma. Bridget Banares Donato](#)
 Department of Cardiology, Philippine Heart Center, Philippines
- P-327** Non-invasive Cardiac Evaluation of Malaria Myocarditis
[Abel Yamba](#)¹, [Jack Amana](#)¹, [Nakapi Tefuarani](#)², [James Wagiebu](#)², [Isi Henao Kevau](#)²
¹ Department of Internal Medicine, School of Medicine and Health Sciences, University of Papua New Guinea, Papua New Guinea
² Department of Cardiology, Internal Medicine, School of Medicine and Health Sciences, University of Papua New Guinea, Papua New Guinea
- P-328** Body Mass Index as Major Determinant of 24-Hour Cardiovascular Hemodynamics
[Hung-Chi Ho](#)¹, [Ta-Chen Su](#)¹, [Yuan-Teh Lee](#)¹, [Shih-Shin Chio](#)², [Chiau-Suong Liao](#)¹, [Ming-Fong Chen](#)¹
¹ Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taiwan
² Pulse Metric, United States
- P-329** Obesity as Major Determinant of Echocardiographic Left Ventricular Hypertrophy: The Chin-shan Community Cardiovascular Cohort Study
[Hung-Chi Ho](#)¹, [Ta-Chen Su](#)¹, [Kuo-Liong Chien](#)¹, [Fung-Chang Sung](#)², [Hsiu-Ching Hsu](#)¹, [Ming-Fong Chen](#)¹,
[Yuan-Teh Lee](#)¹
¹ Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taiwan
² College of Public Health, China Medical University, Taiwan
- P-330** Profile of Type 2 Diabetic Patients with Endothelial and Left Ventricular Diastolic Dysfunction at the University of Santo Tomas Hospital
[Maureen Valenzon Valentin](#)¹, [Zarina Lorenzo](#)¹, [Maria Honolina Gomez](#)², [Alvin Lim](#)¹
¹ Section of Cardiology, University of Santo Tomas Hospital, Philippines
² Section of Endocrinology and Metabolism, University of Santo Tomas Hospital, Philippines
- P-331** Identifying Predictors of Pericardial Effusion after Cardiac Surgery
[Emily Cruz Lapena](#)¹, [Noe Babilonia](#)²
¹ Section of Vascular Medicine, Department of Adult Cardiology, Philippine Heart Center, Philippines
² Department of Adult Cardiology, Philippine Heart Center, Philippines

General Cardiology 7

Friday, May 22nd, 17:00-18:00

Chairpersons: Tameo Nakano (*National Hospital Organization Kyoto Medical Center, Japan*)

Zohair Al Halees (*King Faisal Specialist Hospital and Research Center, Saudi Arabia*)

- P-332** Association of Hyperglycemia with Adhesion Molecules and Coronary Vascular Resistance in Patients with Abnormal Glucose Tolerance
 Shoji Fujita, Shuichi Hamasaki, Sanemasa Ishida, Tetsuro Kataoka, Akiko Yoshikawa, Masakazu Ogawa, Keishi Saihara, Hideki Okui, Takuro Shinsato, Koji Orihara, Naoya Oketani, Takahiro Shirasawa, Takuro Kubozono, Hitoshi Ichiki, So Kuwahata, Takuro Takumi, Satoshi Yoshino, Takehiko Matsushita, Chuwa Tei
Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan
- P-333** Left Ventricular Wall Motion and Cathecolamines with Subarachnoid Hemorrhage
 Risako Fujiwara¹, Izumi Manabu¹, Ono Yukihiko¹, Satoshi Kibira², Hiroshi Itoh³
¹ *Department of Cardiology, Reseach Institute for Brain and Blood Vessels-Akita, Japan*
² *Kibira Medical Clinic, Japan*
³ *Department of Internal Medicine, Division of Cardiovascular and Respiratory Medicine, Akita University School of Medicine, Japan*
- P-334** Cardiac Rehabilitation Program in a Regional Hospital in Hong Kong: A Review of the Outcome Measures
 Yee Man Winsome Mak¹, Chiu Sun Sunny Yue¹, Kwok Fai Leung¹, Shu Fai Eric Leung², Yee Chan Wong², Ngor Peggy Hui³, Maurice Wan³, Tina Chan⁴, Peggy Lee⁴, Hon Kam Theseus Lee⁵, Kit Shan Chow⁵, Lai Kam Ng⁶, Kam Chu Yeung⁶, Wai Ying Chu⁷, Bonnie Cheung⁷, Sze Nga Anna Kwok⁸, Toby Cheung⁹
¹ *Division of Cardiology, Department of Medicine and Geriatrics, United Christian Hospital, Hong Kong*
² *Physiotherapy Department, United Christian Hospital, Hong Kong*
³ *Occupational Therapy Department, United Christian Hospital, Hong Kong*
⁴ *Dietetic Department, United Christian Hospital, Hong Kong*
⁵ *Cardiac Ward, United Christian Hospital, Hong Kong*
⁶ *Community Nursing Service, United Christian Hospital, Hong Kong*
⁷ *Health Resource Centre, United Christian Hospital, Hong Kong*
⁸ *The Hong Kong Society for Rehabilitation Community Rehabilitation Network, Hong Kong*
⁹ *Christian Family Service Centre, Hong Kong*
- P-335** Preconditioning and Functional Capacity of Patients with St-Elevated Myocardial Infarction in Acute Phase
 Takashi Kato¹, Tomonori Segawa¹, Shinichiro Tanaka¹, Taro Minagawa², Reiko Matsuoka¹, Shintaro Abe¹, Yoshiaki Goto¹, Tomoko Hirose¹, Shunichiro Warita¹, Tai Kojima¹, Takeshi Hirose¹, Makoto Iwama¹, Koji Ono¹, Haruki Takahashi¹, Toshiyuki Noda¹, Sachiro Watanabe¹
¹ *Department of Cardiology, Gifu Prefectural General Medical Center, Japan*
² *Gifu Cardiovascular Institution, Japan*
- P-336** Evaluation of Recent One Year Stresses on Acute Myocardial Infarction
 Farzad Seyyed Jalali, Farzan Kheirkhah, Masomeh Kamrani
Department of Cardiology, Babol University of Medical Sciences, Iran

Genetic & Molecular Cardiology 1

Friday, May 22nd, 17:00-18:00

Chairpersons: Teruhiko Toyooka (*Department of Cardiology, Kitasato University, Japan*)Zhiguo Wang (*Cardiovascular Research Institute, Harbin Medical University / Department of Medicine, Montreal Heart Institute, University of Montreal, Canada*)

- P-337** Genotype to Phenotype: Insights into Hypertension
 Qadar Pasha¹, Rahul Kumar¹, Azim Nejatizadeh¹, Mohit Gupta², Ajit K Goyal³
¹ *Functional Genomics Unit, Institute of Genomics and Integrative Biology, India*
² *Department of Cardiology, G.B. Pant Hospital, India*
³ *Department of Medicine, Hindu Rao Hospital, India*
- P-338** Genetic Polymorphisms of the Angiotensin II Type 1 Receptor Gene and Diastolic Heart Failure
 Cho-Kai Wu, Chia-Ti Tsai, Yi-Cheng Chang, Juey-Jen Hwang, Chuen-Den Tseng, Fu-Tien Chiang
Department of Cardiology, National Taiwan University Hospital, Taiwan
- P-339** Genetic Polymorphism of Factor 7 Gene, Coagulation Activity of Factor 7 and Coronary Heart Disease in Tunisian
 Kamel Monastiri¹, Anis Zitari¹, Faouzi Added², Mohamed Nour¹, Mohsen Hassine³, Mohamed Fadel Najjar⁴, Mohamed Hammami⁵, Mohamed Habib Ben Farhat²
¹ *Research Unit 01/UR/08.14, Faculty of Medicine of Monastir, Tunisia*
² *Department of Cardiology, Teaching Hospital of Monastir, Tunisia*
³ *Laboratory of Haematology, Teaching Hospital of Monastir, Tunisia*
⁴ *Laboratory of Biochemistry, Teaching Hospital of Monastir, Tunisia*
⁵ *Laboratory of Biochemistry, Faculty of Medicine of Monastir, Tunisia*
- P-340** Adiponectin SNP45T>G and SNP276G>T Variants among Patients with Left Main Coronary Artery Stenosis by Coronary Angiography
 Fabio Bardales Posas, Vanessa Y Lacuesta, Michael Vincent S Mendoza, Marife Mararang, Ofelia Valencia-Najos, Amber Pasion, Ma. Luisa Daroy, Filipinas Natividad, Antonio Sibulo, Homobono Calleja
Heart Institute, St. Luke's Medical Center, Philippines
- P-341** Potential Interaction of Traditional CAD Risk Factors to S447X Variant of Lipoprotein Lipase Gene on Development of Coronary Artery Disease
 Fabio Bardales Posas, Vanessa Lacuesta, Michael S Mendoza, Marife P Mararang, Kristine Pasion, John Alfon, Naida Marcelo, C Mapua, M L Daroy, R Matias, Filipinas N Natividad, Ofelia N Valencia, A S Sibulo, Homobono Calleja
Heart Institute, St. Luke's Medical Center, Philippines
- P-342** Genomics and Cardiovascular Disease Initiative (GCMI) Biobank and Information Structure Integration at St Luke's Heart Institute (SLHI)
 Fabio Bardales Posas, Vanessa Y Lacuesta, Marife Mararang, Ofelia Valencia-Najos, Filipinas Natividad, Ma. Luisa Daroy, Antonio Sibulo, Homobono Calleja, Amber Pasion, John Alfon
Heart Institute, St. Luke's Medical Center, Philippines

Genetic & Molecular Cardiology 2

Friday, May 22nd, 17:00-18:00

Chairpersons: Hideaki Kawaguchi (*Laboratory Medicine, Hokkaido University, Japan*)

Baofeng Yang (*Department of Pharmacology, State-Province Key Laboratories of Biomedicine-Pharmaceutics of China, Harbin Medical University, China*)

P-343 Potential Role of the Ubiquitin-Proteasome System in Hypertrophic Cardiomyopathy Caused by Mutant Cardiac Myosin-Binding Protein C

Udin Bahrudin¹, Hiroko Morisaki², Takayuki Morisaki², Osamu Igawa³, Seiji Takashima⁴, Einosuke Mizuta³, Junichiro Miake¹, Yasutaka Yamamoto¹, Yasuaki Shirayoshi¹, Masafumi Kitakaze⁵, Lucie Carrier⁶, Ichiro Hisatome¹

¹ *Division of Regenerative Medicine and Therapeutics, Tottori University, Japan*

² *Department of Bioscience, National Cardiovascular Center Research Institute, Japan*

³ *Department of Cardiology, Tottori University Faculty of Medicine, Japan*

⁴ *Department of Molecular Cardiology, Osaka University Graduate School of Medicine, Japan*

⁵ *Department of Cardiovascular Medicine, National Cardiovascular Center, Japan*

⁶ *Institute of Experimental and Clinical Pharmacology and Toxicology, University Medical Center Hamburg-Eppendorf, Germany*

P-344 Developing a Propensity Score Based Study to Associate Genetic Polymorphisms in the Renin Angiotensin System with Systolic Heart Failure

Sheng Nan Chang¹, Jou-Wei Lin¹, Jyh-Ming Juang², Chai-Ti Tsai², Juey-Jen Hwang¹, Fu-Tien Chiang²

¹ *Cardiovascular Center, National Taiwan University Hospital Yun-Lin Branch, Taiwan*

² *Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taiwan*

P-345 Digenic Mutation in Long QT Syndrome Accounts for Both Phenotypes of Each Mutation

Ryuichiro Anan¹, Takashi Kajiya¹, Masao Yoshinaga², Yu Kucho², Yuji Tanaka², Naoya Oketani¹, Sanemasa Ishida¹, Shuichi Hamasaki¹, Chuwa Tei¹

¹ *Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan*

² *Department of Pediatrics, National Hospital Organization Kagoshima Medical Center, Japan*

P-346 Newly Reported Association between Autosomal Recessive Familial Vitreoretinopathy and Mitral Valve Prolapse in Egyptian Family

Hany Abd El Eahman Aly Negm¹, Amira A Abdelazeem², Amani H Galal³, Ahmed Baseem Doma⁴, Mohamed A Almalt⁵

¹ *Cardiology and Ultrasonography Unit, Research Institute of Ophthalmology, Egypt*

² *Ophthalmogenetics Unit, Egypt*

³ *Ophthalmogenetics, Egypt*

⁴ *Radiology Unit, Egypt*

⁵ *Ophthalmology Department, Egypt*

P-347 TNF- α Modulates Gene Expression of Cardiac Dystrophin and Titin Proteins through NF-Kappa B Pathway

Madhu Khullar¹, Shamim Ahmad², Ajay Bahl², Rohit Manoj Kumar², Rajiv Mahajan², Kewal Krishan Talwar²

¹ *Department of Experimental Medicine and Biotechnology, PGIMER Chandigarh, India*

² *Department of Cardiology, Postgraduate Institute of Medical Education & Research, India*

Genetic & Molecular Cardiology 3

Friday, May 22nd, 17:00-18:00

Chairpersons: Tatsuya Morimoto (*Division of Molecular Medicine, School of Pharmaceutical Sciences, University of Shizuoka, Japan*)

Ming-Jui Hung (*Section of Cardiology, Department of Medicine, Chang Gung Memorial Hospital at Keelung, Taiwan*)

- P-348** Periostin, Secreted Extracellular Matrix Protein, Plays a Critical Role in Cardiac Hypertrophy and Ventricular Remodeling
 Toru Oka¹, Hiroyuki Takano¹, Jeffery D Molkentin², Issei Komuro¹
¹ *Department of Cardiovascular Science and Medicine, Chiba University Graduate School of Medicine, Japan*
² *Division of Molecular Cardiovascular Biology, Cincinnati Children's Hospital Medical Center, United States*
- P-349** Dysregulation of Cellular FAK Protein Results in Enhanced Posthyperthermal Caspase-3 Activation and Cardiac Injury in the Hypertensive Rat
 Kae-Shin Lin¹, J.H Cheng², T.L Hsieh³, W.G Luo³, Tung-Jing Fang³
¹ *Department of Pharmacology, National Yang-Ming University, Taiwan*
² *Department of Biology and Anatomy, National Defense Medical Center, Taiwan*
³ *Department of Internal Medicine, Songshan Armed Forces General Hospital, Taiwan*
- P-350** Double Transgenic Mice Crossing Alpha MyHC-mCherry-LC3 Mice with CAG-GFP-LC3 Mice is a New Method to Analyze Autophagy in Cardiomyocytes
 Mai Terada, Kiyoshi Nobori, Yoshiko Munehisa, Manabu Kakizaki, Takayoshi Ohba, Takashi Koyama, Yoichiro Takahashi, Masaru Ishida, Kenji Iino, Toshimitsu Kosaka, Hiroyuki Watanabe, Hitoshi Hasegawa, Hiroshi Ito
Cardiovascular and Respiratory Medicine, Department of Internal Medicine, Akita University School of Medicine, Japan
- P-351** Characterization of Cardiac Progenitor Cells Derived from Adult Porcine Heart
 Lei Ye¹, Li ping Su², Kian Keong Poh³, Husnain Kh Haider⁴
¹ *National University Medical Institutes, National University of Singapore, Singapore*
² *National Heart Centre, Singapore*
³ *National University Hospital, Singapore*
⁴ *University of Cincinnati, United States*
- P-352** Tight Inter-Domain Interaction at Mutation Site could be a Primary Cause of Catecholaminergic Polymorphic Ventricular Tachycardia
 Takeshi Suetomi, Masafumi Yano, Makoto Ono, Xiaojuan Xu, Hitoshi Uchinoumi, Hiroki Tateishi, Shinichi Okuda, Masahiro Doi, Shigeki Kobayashi, Takeshi Yamamoto, Yasuhiro Ikeda, Tomoko Ohkusa, Masunori Matsuzaki
Division of Cardiology, Department of Medicine and Clinical Science, Yamaguchi University Graduate School of Medicine, Japan

Hypertension 1

Friday, May 22nd, 17:00-18:00

Chairpersons: Toshihiro Morita (*Department of Cardiovascular Medicine, The University of Tokyo Hospital, Japan*)Zhaosu Wu (*Beijing Institute of Heart Lung and Blood Vessel Disease, Beijing Anzhen Hospital, China*)

- P-353** Plasmatic Pro-BNP and Target Organ Damage in Hypertensive Patient: Are There Significant Correlations?
Cristina Manuela Tirziu¹, Elisabeta Badila¹, Razvan C Tirziu², Daniela Bartos¹, Maria Dorobantu¹
¹ Internal Medicine and Cardiology, The Clinical Emergency Hospital, Romania
² Department of Internal Medicine, CMDTA Stefan Milcu, Romania
- P-354** Relationship of Inflammatory Factors and Von Willebrand Factor with Metabolic Syndrome in Chinese Hypertensive Subjects
Jing Liu¹, Jing Yang², Jishun Ma², Ningling Sun², Dayi Hu²
¹ Heart Center, Peking University People's Hospital, China
² Peking University People's hospital, China
- P-355** A Pilot Study on Level of Blood Vasoactive Factors in Prehypertensive and Hypertensive Patients
Zuoguang Wang¹, Shaojun Wen², Ya Liu¹, Jiuling Liu¹, Zhaosu Wu³, Jie Wen¹
¹ Department of Hypertension, Capital Medical University, China
² Division of Hypertension, Beijing Institute of Heart, Lung, Blood Vessel Diseases, Beijing Anzhen Hospital, Attached to Capital Medical University, China
³ Department of Cardiovascular Epidemiology, Beijing Institute of Heart, Lung, Blood Vessel Diseases, Beijing Anzhen Hospital, Attached to Capital Medical University, China
- P-356** Indapamide Offsets the Increase of Adiponectin Concentration Due to ACE Inhibitor in Patients with Essential Hypertension
Shao Sung Huang¹, Tao-Cheng Wu², Shing-Jong Lin², Jaw-Wen Chen³
¹ Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital, Taiwan
² Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital/ Institute of Clinical Medicine, Cardiovascular Research Center, National Yang-Ming University, Taiwan
³ Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital/ Institute of Pharmacology, Cardiovascular Research Center, National Yang-Ming University, Taiwan
- P-357** C-Reactive Protein and Blood Pressure in Never-Treated Hypertension in Korean Rural Population
Mina Suh, Ju Young Lee, Song Vogue Ahn, Hyeon Chang Kim, Il Suh
Department of Preventive Medicine, Yonsei University College of Medicine, Korea
- P-358** Association between Homocysteine and Membrane Fluidity of Red Blood Cells in Hypertensive and Normotensive Men
Kazushi Tsuda
Cardiovascular and Metabolic Research Center, Kansai University of Health Sciences, Japan

Hypertension 2

Friday, May 22nd, 17:00-18:00

Chairpersons: Shigeo Takata (*Kanazawa Municipal Hospital, Japan*)Il Suh (*Department of Preventive Medicine, Yonsei University College of Medicine, Korea*)

- P-359** Evaluation of Hypertension Prevalence in Ha Tinh
Anh Xuan Pham¹, Sam Nhan Thai²
¹ Department of Cardiology, Ha Tinh General Hospital, Vietnam
² Ha Tinh Medical College, Vietnam

- P-360** Prognosis Criteria of Casual Systolic and Diastolic Blood Pressure Values in a Prospective Study in India
 Catherine Sauvaget¹, K. Ramadas², G. Thomas³, S. Thara⁴, R. Sankaranarayanan¹
¹ Screening Group, International Agency for Research on Cancer, French Metropolitan
² Division of Radiation Oncology, Regional Cancer Center, India
³ Division of Preventive Oncology, Regional Cancer Center, India
⁴ Division of Cytopathology, Regional Cancer Center, India
- P-361** Gender-Related Differences in Target Organ Damage in Untreated Patients with Essential Hypertension
 Makoto Saitoh, Teruo Kondoh, Toshiro Tanaka, Naoki Okumura, Katsumasa Takagi, Masami Tsuduki
 Department of Cardiology, Nishio Municipal Hospital, Japan
- P-362** Increased C-Reactive Protein is Associated with Future Development of Diabetes Mellitus in Essential Hypertensive Patients
 Chiung-Mei Weng¹, Chang-Hua Chou², Yao-Yi Huang³, Chih-Chan Lin³, Yen-Wen Liu³, Wei-Chuan Tsai³
¹ Department of Internal Medicine, National Cheng Kung University, Taiwan
² Department of Internal Medicine, Sinlau Christian Hospital, Taiwan
³ Department of Internal Medicine, National Cheng Kung University Hospital, Taiwan
- P-363** Neuroimaging in Hypertensive Encephalopathy
 Satoshi Koyama¹, Nobuyuki Taniyama², Naoyuki Yao², Kazutoshi Abe², Hitoshi Sakuragi², Masaaki Takahashi³, Tadataka Noro², Tadakatu Tsuji³, Junya Shindo⁴, Junichi Maruyama², Kenjiro Kikuchi²
¹ Neurology, Asahikawa Rehabilitation Hospital, Japan
² Cardiology, Asahikawa Rehabilitation Hospital, Japan
³ Respiratory, Asahikawa Rehabilitation Hospital, Japan
⁴ Rehabilitation, Asahikawa Rehabilitation Hospital, Japan
- P-364** Increased B-Natriuretic Peptide Level in Hypertensive Patients: A Comparison of Cardiac and Renal Dysfunction on Serum BNP Level
 Mohammad Saifur Rohman, Nani Hersunarti Budiarmoko, Amiliana M Soesanto
 Cardiology and Vascular Medicine, University of Indonesia, Indonesia

Hypertension 3

Friday, May 22nd, 17:00-18:00

Chairpersons: Shinya Minatoguchi (Department of Cardiology, Gifu University Graduate School of Medicine, Japan)

Jeong Bae Park (Cheil General Hospital, Kwandang University, Korea)

- P-365** Is Prehypertension Really Different from Normotension and Hypertension? -A Case-Control Pilot Proteomic Study in Chinese
 Zuoguang Wang¹, Xiaoyun Peng², Ya Liu³, Liu Jieling¹, Shaojun Wen¹, Zhaosu Wu⁴
¹ Department of Hypertension, Capital Medical University, China
² Institute of Westnorth Plateau Biology, China Academy of Sciences, China
³ Division of Hypertension, Beijing Institute of Heart, Lung, Blood Vessel Diseases, Beijing Anzhen Hospital, Attached to Capital University of Medical Sciences, China
⁴ Division of Epidemiology, Beijing Institute of Heart, Lung, Blood Vessel Diseases, Beijing Anzhen Hospital, Attached to Capital University of Medical Sciences, China
- P-366** Prehypertension and Mortality from Coronary Heart Disease and Stroke: 12 Years of Follow-up in Korean Men
 Song Vogue Ahn, Hyeon Chang Kim, Chung Mo Nam, Il Suh
 Department of Preventive Medicine, Yonsei University College of Medicine, Korea
- P-367** Protective Role of Vascular Endothelial Growth Factor on Renal Function in Essential Hypertension
 Yao-Yi Huang¹, Chung-Hua Chou², Chih-Chan Lin¹, Jyh-Hong Chen³, Wei-Chuan Tsai¹
¹ Department of Internal Medicine, National Cheng Kung University Hospital, Dou-Liou Branch, Taiwan
² Department of Internal Medicine, Sinlau Christian Hospital, Taiwan
³ Department of Internal Medicine, National Cheng Kung University Hospital, Taiwan

P-368 Impact of Small Left Ventricular Cavity in Elderly Hypertensive Patients: Achilles' Heel of Renin-Angiotensin System Inhibitors

Akiyoshi Ogimoto, Hideki Okayama, Tomoaki Ohtsuka, Jun Suzuki, Katsuji Inoue, Kazuhisa Nishimura, Takayuki Nagai, Shinji Inaba, Jun Aono, Teppei Fujita, Kaori Sasaki, Fumiyasu Seike, Yuji Shigematsu, Jitsuo Higaki

Department of Integrated Medicine and Informatics, Ehime University Graduate School of Medicine, Japan

P-369 The Influence of AT1 Receptor Activation on Outcome of Myocardium Injury after Acute Hyperthermia in Hypertensive Rats

Kae-Shin Lin¹, J.H Cheng², Tsorng-Lou Hsieh³, W.G Luo³, Tung-Jing Fang³

¹ *Department of Pharmacology, National Yang-Ming University, Taiwan*

² *Department of Biology and Anatomy, National Defense Medical Center, Taiwan*

³ *Department of Internal Medicine, Songshan Armed Forces General Hospital, Taiwan*

Hypertension 4

Friday, May 22nd, **17:00-18:00**

Chairpersons: Toshio Kushiro (*Nihon University School of Medicine, Japan*)

P. C. Manoria (*Manoria Heart Care Centre, India*)

P-370 Arterial Stiffness in Masked Hypertension and True Hypertension

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

Department of Cardiology, Daegu Catholic University Medical Center, Korea

P-371 Rhythmicity in Hypertensive Arterial Smooth Muscle is Linked to Transient Receptor Potential Canonical Channels

Xiaoping Chen, Dachun Yang, Xiaoli Feng, Tingbin Cao, Liqun Ma, Zhidan Luo, Liqun Wang, Daoyan Liu, Zhiming Zhu

Department of Hypertension and Endocrinology, Daping Hospital, Third Military Medical University, Chongqing Institute of Hypertension, China

P-372 Effect of ARB or Ca Channel Blocker or Both on Arterial Stiffness Estimated by CAVI (Long Term Follow Up Study)

Mie Kurata, Takafumi Okura, Daijiro Enomoto, Jun Irita, Tomoaki Nagao, Masanori Jotoku, Veena Desilva, Ken-Ichi Miyoshi, Jitsuo Higaki

Department of Integrated Medicine and Informatics, Ehime University Graduate School of Medicine, Japan

P-373 Increased Transient Receptor Potential Canonical Type 3 (TRPC3) Channels in Vascular from Spontaneously Hypertension Rats

Daoyan Liu¹, Dachun Yang², Hongbo He², Xiaoping Chen², Tingbin Cao², Liqun Ma², Zhidan Luo², Lijuan Wang², Tepel Martin³, Zhiming Zhu²

¹ *Center for Hypertension and Metabolic Diseases, Daping Hospital, Third Military Medical University, Chongqing Institute of Hypertension, China*

² *Center for Hypertension and Metabolic Diseases, Daping Hospital, Third Military Medical University, China*

³ *Charite Campus Benjamin Franklin, Germany*

P-374 Improvement of Pulse Wave Velocity after Long-Term Treatment with Continuous Positive Airway Pressure in Obstructive Sleep Apnea

Tsunenori Saito¹, Tsunehiro Saito², Shigeyuki Sugiyama², Kyoichi Mizuno¹

¹ *Department of Cardiology, Nippon Medical School Hospital, Japan*

² *Good-Sleep Clinic, Japan*

Hypertension 5

Friday, May 22nd, **17:00-18:00**

Chairpersons: Fumio Terasaki (*Department of Internal Medicine III, Osaka Medical College, Japan*)
Fu-Tien Chiang (*Department of Internal Medicine and Laboratory Medicine, National Taiwan University Hospital, Taiwan*)

- P-375** Electron Paramagnetic Resonance Investigation on Modulatory Effect of Physical Exercise on Membrane Fluidity of Erythrocytes in Hypertension
Kazushi Tsuda
Cardiovascular and Metabolic Research Center, Kansai University of Health Sciences, Japan
- P-376** Usefulness of Rapid Cortisol Assay during Adrenal Vein Sampling for Primary Aldosteronism
Takashi Yoneda, Shigehiro Karashima, Masashi Demura, Aoshung Zhu, Yoshiyu Takeda, Masakazu Yamagishi
Department of Internal Medicine, Kanazawa University, Japan
- P-377** Evaluation of Laugh Clinic on Patients with Essential Hypertension
Farzad Seyyed Jalali, Bahram Seifi, Kheirkhah Farzan
Department of Cardiology, Babol University of Medical Sciences, Iran
- P-378** Influence of Body Mass Index Reduction on Blood Pressure in Adults with Earlier Weight Gain: A Prospective Study in Taiwan
Fung-Chang Sung¹, Pei-Chun Chen¹, Ta-Chen Su², Kuo-Liong Chien³, Hsiu-Ching Hsu², Yuan-Teh Lee⁴
¹ *Institution of Environmental Health, China Medical University, Taiwan*
² *Department of Internal Medicine, National Taiwan University Hospital, Taiwan*
³ *Institution of Preventive Medicine, National Taiwan University, Taiwan*
⁴ *Department of Clinical Medicine, China Medical University, Taiwan*
- P-379** Daidzein, Soy Phytoestrogen, Selectively Ameliorates Obesity-Related Hypertension in Mice and Humans
Tomoo Furumoto¹, Daisuke Goto¹, Satoshi Fujii², Burton E Sobel³, Hiroyuki Tsutsui¹
¹ *Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan*
² *Department of Molecular and Cellular Pathobiology and Therapeutics, Nagoya City University Graduate School of Pharmaceutical Sciences, Japan*
³ *Department of Medicine, University of Vermont, United States*

Hypertension 6

Friday, May 22nd, **17:00-18:00**

Chairpersons: Hakuo Takahashi (*Department of Clinical Sciences and Laboratory Medicine, Kansai Medical University, Japan*)
Iwan Dakota (*National Cardiovascular Center Harapan Kita Hospital, Indonesia*)

- P-380** Anemia is Associated with Increased Ventricular Mass and Impaired Diastolic Function in Hypertensive Patients without Cardiac Complications
Koutatsu Nomura¹, Yoshikazu Yazaki², Mitsuaki Horigome², Kazushi Kitahara¹, Yoshitake Mikoshiba¹
¹ *Department of Research Laboratory, NHO Matsumoto Medical Center, Japan*
² *Division of Cardiology, NHO Matsumoto Medical Center, Japan*
- P-381** Additional Low Dose Angiotensin-II Receptor Blocker Significantly Improves Endothelial Function in Uncontrolled Hypertensive Patients
Bonpei Takase¹, Kazuo Kimura¹, Masayoshi Nagata², Ko Arakawa³, Akira Hamabe⁴, Akimi Uehata⁴, Fumitaka Ohsuzu³, Akira Kurita¹
¹ *Department of Intensive Care Medicine, National Defense Medical College, Japan*
² *Iruma Heart Hospital, Japan*
³ *National Defense Medical College, Internal Medicine-1, Japan*
⁴ *Self Defense Forces Central Hospital, Japan*

- P-382** Benidipine, a Long-Acting Calcium Channel Blocker, Improves Membrane Fluidity of Erythrocytes in Essential Hypertension
 Kazushi Tsuda
Cardiovascular and Metabolic Research Center, Kansai University of Health Sciences, Japan
- P-383** Telmisartan Improves Left Ventricular Function and Atherosclerosis in Patients with Hypertension
 Yukio Mizuguchi, Yoshifumi Oishi, Hirokazu Miyoshi, Arata Iuchi, Norio Nagase, Takashi Oki
Cardiovascular Section, Higashi Tokushima National Hospital, National Hospital Organization, Japan
- P-384** Enhanced External Counterpulsation (EECP) is Very Effective in Reducing Blood Pressure in Hypertensive Subjects
 Darshak H Karia, Nasreen Haq, Nazmul Huda, Mohammad Hoque, Debra Braverman
Department of Cardiology, Albert Einstein Medical Center, United States

POSTER SESSIONS 14

Annex Hall 1

Interventional Cardiology 1

Friday, May 22nd, 17:00-18:00

Chairpersons: Shunichi Miyazaki (*Division of Cardiology, Kinki University School of Medicine, Japan*)
 David Quek Kwang Leng (*Pantai Medical Centre, Malaysia*)

- P-385** Balloon Angioplasty for Adults Coarctation of Aorta: A Six Months Follow-up Study
 Iman Kashani, Mahmood Shabestari, Mahsa Fadavi, Farhad Jabbari, Leila Alizadeh, Mojtaba Talaei Khoei, Mahla Fadavi, Hosein Mehdikhani
Department of Cardiology, Razavi Hospital, Iran
- P-386** In-Hospital and Mid-Term Outcomes of Following Percutaneous Coronary Intervention in Patients >65 Years Old Comparing to Younger Patients
 Kayvan Abbasi, Hamidreza Porhoseini, Saeed Sadeghian, Seyed Hesamedin Abbasi, Ahmad Sharafi, Ali Abbasi
Department of Cardiovascular Research, Department of Cardiology, Tehran University of Medical Sciences, Iran
- P-387** 3-Year Experience of Primary Percutaneous Coronary Intervention in a Hospital without On-Site Cardiac Surgery
 Sea Hing Ong¹, Victor Yt Lim², Boon Cheng Chang¹, Jayaram Lingamanaicker¹, Chong Hiok Tan¹, Yew Seong Goh¹, Kok Soon Tan¹
¹ *Department of Cardiology, Changi General Hospital, Singapore*
² *Department of Cardiology, National Heart Centre, Singapore*
- P-388** Outcomes of Primary Percutaneous Coronary Intervention (PCI) in a Tertiary Care Cardiac Centre
 Ayaz Hussain Shaikh, Faiza Malik, Bashir Hanif, Shamim Siddiqui
Department of Cardiology, Tabba Heart Intitute, Pakistan
- P-389** Improving Door-to-Balloon Time: Emergency Physician Activation of Percutaneous Coronary Intervention for STEMI at the ED
 Kim Poh Chan¹, Marcus Eng Hock Ong¹, Arul Earnest², Aaron Sung Lung Wong³, Anantharaman Venkataraman¹, Terrance Siang Jin Chua³, Swee Han Lim¹
¹ *Department of Emergency Medicine, Singapore General Hospital, Singapore*
² *Principal Medical Statistician, Tan Tock Seng Hospital, Singapore*
³ *Department of Cardiology, National Heart Centre, Singapore*
- P-390** Neointimal Coverage on the Stent Struts Crossing a Side Branch in Different Type Stents: An Optical Coherence Tomography Study
 Yong Liu, Masato Mizukoshi, Atsushi Tanaka, Shigeho Takarada, Hironori Kitabata, Takashi Tanimoto, Akio Kuroi, Yu Arida, Hideyuki Ikejima, Hiroto Tsujioka, Kenichi Komukai, Kouhei Ishibashi, Keishi Okochi, Hideaki Kataiwa, Hiroki Matsumoto, Yuichi Ozaki, Akio Shimokado, Nobuo Nakamura, Kumiko Hirada, Toshio Imanishi, Takashi Akasaka
Department of Cardiology, Wakayama Medical University, Japan

Interventional Cardiology 2

Friday, May 22nd, **17:00-18:00**

Chairpersons: Ryuichi Hattori (*Shimada Municipal Hospital, Japan*)

Jun-Jack Cheng (*Shin Kong Memorial Hospital, Taiwan*)

- P-391** Single-Bolus Eptifibatide is also Effective as Conventional Eptifibatide in Elective Percutaneous Coronary Intervention
Syed Ali Ahsan, Haque Sirajul K. M. H. S., Md. Abu Siddique, Mohammad Salman, Md. Mukhlesur Rahman
Department of Cardiology, Bangabandhu Sheikh Mujib Medical University, Bangladesh
- P-392** By-Passing Non-PCI Hospitals Following Ecg Transmission Coupled with On-Site Interventionalist Duty Minimises Delay to Primary PCI
Maciej Karcz, Pawel Bekta, Mirosław Skwarek, Maciej Dabrowski, Krzysztof Kukula, Jacek Kadziela, Lukasz Malek, Michal Ciszewski, Artur Debski, Witold Ruzyllo
Institute of Cardiology, Poland
- P-393** The Assessment of Myocardial Blush to Predict the Heart Failure and Death in Patients with Primary Angioplasty
Yudi Fadilla Fauzi, Muhammad Munawar, Ganesja Mulia Harimurti
Department of Cardiology, University of Indonesia, Indonesia
- P-394** HbA1c as Predictor MACE after Elektive PCI in DM Type 2
Rita Zahara Ibrahim, Bambang B Siswanto, Budi Setianto, Muhamad Munawar, Sunanto Ng, Ganesja M Harimurti
Department of Cardiology and Vascular Medicine, Faculty of Medicine, University of Indonesia, Indonesia
- P-395** Angiographic No Re-Flow as a Strong Predictor for Mortality in Primary Angioplasty of Acute Left Main Occlusion
Hak Chiaw Tang, Aaron Wong, Philip Wong, Terrance Chua, Tian Hai Koh, Soo Teik Lim
Department of Cardiology, National Heart Center, Singapore
- P-396** Heterogeneous Arterial Healing in Patients Following Paclitaxel-Eluting Stent Implantation: Comparison with Sirolimus-Eluting Stents
Masaki Awata, Shinsuke Nanto, Masaaki Uematsu, Takakazu Morozumi, Tetsuya Watanabe, Toshinari Onishi, Osamu Iida, Fusako Sera, Masamichi Yano, Kenji Kawamoto, Seiki Nagata
Cardiovascular Division, Kansai Rosai Hospital, Japan

Interventional Cardiology 3

Friday, May 22nd, **17:00-18:00**

Chairpersons: Kazuhisa Kodama (*Cardiovascular Division, Osaka Police Hospital, Japan*)

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

- P-397** Angiogenic T Cells were Increased in the Patients with Coronary Artery Disease
Manabu Kakizaki, Kiyoshi Nobori, Yoshiko Munehisa, Mai Terada, Takashi Koyama, Youichirou Takahashi, Takayoshi Ohba, Masaru Ishida, Kenji Iino, Toshimitsu Kosaka, Hiroyuki Watanabe, Hitoshi Hasegawa, Hiroshi Ito
Department of Cardiology, Akita University, Japan
- P-398** Endothelin-1 Produced by Coronary Artery Endothelial Cells Causes No-Reflow Phenomenon
Nobuaki Kobayashi¹, Noritake Hata¹, Shinya Yokoyama¹, Kouichi Akutsu¹, Takuro Shinada¹, Kazunori Tomita¹, Shirakabe Akihiro¹, Kyouichi Mizuno²
¹ *Division of Intensive Care Unit, Nippon Medical School Chiba Hokusoh Hospital, Japan*
² *Division of Cardiology, Hepatology, Geriatrics and Integrated Medicine, Department of Internal Medicine, Nippon Medical School, Japan*

- P-399** Contrast Induced Nephropathy in Patients Undergoing Coronary Angiogram and Percutaneous Transluminal Coronary Angioplasty
Md. Mukhlesur Rahman, Haque Sirajul K. M. H. S., Md. Abu Siddique, Mohammad Salman
Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh
- P-400** Coronary Angiographic Profile in Bangladeshi Patients with Metabolic Syndrome and Ischemic Heart Disease
Haque Sirajul K. M. H. S., Md. Mokhlesur Rahman, Mohammad Salman, Tanjima Parvin, Md. Ashrafuddin Sultan
Department of Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh
- P-401** Inferior STEMI Secondary to Occlusion of Anomalous Right Coronary Artery: Diagnostic Challenge in an Acute Setting
Jeremy Chow¹, C H Tan², K S Tan¹, K L Tong¹
¹ *Department of Cardiology, SingHealth/ Changi General Hospital, Singapore*
² *Department of Cardiology, Changi General Hospital, Singapore*
- P-402** Preventing Pulmonary Embolism; An Ideal Approach
Tabish Hussain¹, Yu Shu Li¹, Roshan Ara²
¹ *Department of Cardiology, Union Hospital, Tongji Medical College, China*
² *Cardiology Department, Roshan Medical Center, Pakistan*

Interventional Cardiology 4

Friday, May 22nd, **17:00-18:00**

Chairpersons: Tetsuya Sumiyoshi (*Department of Cardiology, Sakakibara Heart Institute, Japan*)
Seyyed Abdolhussein Tabatabaei (*Cardiology Department, Sharlati Hospital, Tehran University, Iran*)

- P-403** Efficacy and Safety of Primary Stenting in Takayasu Arteritis: Report of Four Cases
Mahla Fadavi¹, Mahmood Shabestari¹, Farahzad Jabbari Azad², Mahsa Fadavi¹, Farhad Jabbari¹, Mehri Nikdust¹, Hossein Mehdikhani¹
¹ *Department of Cardiology, Razavi Hospital, Iran*
² *Mashad Medical University, Iran*
- P-404** Coil Embolization to Aberrant Branch of Lima
Mahla Fadavi¹, Mahmood Shabestari¹, Majid Jalalyazdi¹, Farahzad Jabbariazad², Babak Radmehr³, Hossein Mehdikhani¹, Iman Kashani¹
¹ *Department of Cardiology, Razavi Hospital, Iran*
² *Mashad Medical University, Iran*
³ *Imam Reza Hospital, Iran*
- P-405** Efficacy of Retrograde Filling on Antegrade Flow of Coronary Artery with Significant (High Grade) Stenosis
Mahla Fadavi, Mahmood Shabestari, Leila Alizadeh, Mehri Nikdust, Fardin Mirboluk, Hossein Mehdikhani, Javad Mahmoodi
Department of Cardiology, Razavi Hospital, Iran
- P-406** Transcatheter Closure of a Postmyocardial Infarction Ventricular Septal Rupture with an Amplatzer Septal Occluder
Mahla Fadavi, Mahmood Shabestari, Mahsa Fadavi, Farhad Jabbari, Ali Hamedanchi, G Soltani, Hosein Mehdikhani, Usef Garivani
Department of Cardiology, Razavi Hospital, Iran
- P-407** Stent Implantation at Basilar Artery after Failure of Thrombolytic Therapy in an Acute Ischemic Stroke Patient
Yu-Wei Chiu, Ai-Hsien Li
Department of Cardiology, Far-Eastern Memorial Hospital, Taiwan
- P-408** Renal Artery Involvement in Patients of Coronary Artery Disease Undergoing Coronary Angiography
Sharad Kumar Parashar¹, Prabhash Chand Manoria², Pankaj Manoria¹, Alka Parashar¹
¹ *Department of Cardiology, Manoria Heart Care Centre, India*
² *Manoria Heart Care Centre, India*

Interventional Cardiology 5

Friday, May 22nd, **17:00-18:00**

Chairpersons: Tadashi Kakio (*Department of Cardiovascular Medicine, Ijinkai-Takeda General Hospital, Japan*)

Rosli Mohd Ali (*National Heart Association of Malaysia, Malaysia*)

- P-409** Safety and Efficacy of Transcatheter Closure of Atrial Septal Defect in Comparison to Surgery
Iveta Simkova, Pavol Chnupa, Jan Postulka, Viliam Fridrich
Cardiology, Slovak Medical University, National Institute of Cardiovascular Diseases, Slovakia
- P-410** Cerebral Arteries Stenting with Emboli-Protection Devices: Report of Five Cases and Six Months Follow-up
Hosein Mehdikhani¹, Mahmood Shabestari, Mahsa Fadavi, Farhad Jabbari, T Bostani, Mojtaba Talaei Khoei, Mahla Fadavi
Department of Cardiology, Razavi Hospital, Iran
- P-411** Blood Pressure Monitoring: A Novel Method for Stepwise Decision Making in Percutaneous Mitral Valvuloplasty
Hosein Mehdikhani¹, Mahmood Shabestari¹, Farahzad Jabbari Azad², Mahmood Dargahi¹, Leila Alizadeh¹, Mahla Fadavi¹
¹ *Department of Cardiology, Razavi Hospital, Iran*
² *Mashad Medical University, Iran*
- P-412** Doppler Evaluation of Left to Right Shunt (Qp/Qs) in Patients with Isolated Ventricular Septal Defect (VSD)
Manzoor Mahmood¹, Haque Sirajul K. M. H. S.¹, Quazi Safiuddin Ahmad², Mohammad Abu Siddique¹, Chowdhury Meskat Ahmed¹, Mohammad Mokhlesur Rahman¹
¹ *Department of Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh*
² *Combined Military Hospital, Bangladesh*
- P-413** One Cross-Sectional Assessment of Integrated-Backscatter Intravascular Ultrasound and Tissue Protrusion with Acute Coronary Syndrome
Makoto Iwama, Shinichiro Tanaka, Toshiyuki Noda, Tomonori Segawa, Shintaro Abe, Reiko Matsuoka, Yoshiaki Goto, Tomoko Hirose, Takashi Katou, Tai Kojima, Shunichiro Warita, Takeshi Hirose, Koji Ono, Haruki Takahashi, Sachiro Watanabe
Department of Cardiology, Gifu Prefectural General Medical Center, Japan
- P-414** Challenges in Prevention and Treatment of Late Stent Thrombosis: Fluorine Incorporated Diamond-Like Carbon Nano-Coatings
Terumitsu Hasebe^{1,2}, Yukihiro Yoshimoto², Osamu Ishikawa³, So Nagashima², Yoshito Ueda², Noriko Kitamura¹, Shusuke Kasuya¹, Hitoshi Terada¹, Minoru Tanaka⁴, Tetsuya Suzuki², Aki Kamijo⁵, Koki Takahashi⁴
¹ *Department of Interventional Radiology, Toho University Sakura Medical Center, Japan*
² *Center for Science of Environment, Resources and Energy, Keio University Faculty of Science and Technology, Japan*
³ *Department of Neurosurgery, The University of Tokyo Hospital, Japan*
⁴ *Department of Transfusion Medicine, The University of Tokyo Hospital, Japan*
⁵ *Department of Transfusion Medicine, Yokohama City University Hospital, Japan*

Others 1

Friday, May 22nd, 17:00-18:00

Chairpersons: Nobuakira Takeda (*The Jikei University, Japan*)

Cheuk-Man Yu (*Prince of Wales Hospital / The Chinese University of Hong Kong, Hong Kong*)

P-415 Oxidative Damage and Low Copy Number of Mitochondrial DNA are Associated with Progression of Metabolic Syndrome

Ching-Hui Huang¹, Hui-Mei Lin², Wen-Ling Cheng², Chen-Ling Kuo², Chin-San Liu³

¹ *Department of Cardiology, Changhua Christian Hospital, Graduate Institute of Medical Science Chang Jung Christian University, Taiwan*

² *Vascular and Genomic Research Center, Changhua Christian Hospital, Taiwan*

³ *Department of Neurology, Vascular and Genomic Research Center, Changhua Christian Hospital: Graduate Institute of Integration Chinese and Western Medicine, China Medical University, Taiwan*

P-416 Benidipine Attenuated Myocardial Ischemia Reperfusion Injury with the Reduction of Oxidative Stress and Aldosterone Production

Keisuke Ohtani, Masayuki Takamura, Souichirou Usui, Tatanori Ikeda, Shinichirou Takashima, Takeshi Katou, Masaki Okajima, Hiroshi Furushou, Shuuichi Kaneko

Department of Disease Control and Homeostasis, Kanazawa University Graduate School of Medical Science, Japan

P-417 Angiographic Appearance of Collaterals after Acute Coronary Occlusion

Sunanto Ng, Sunarya A. Soerianata, Hananto Andriantoro

Department of Cardiology and Vascular Medicine, University of Indonesia, Indonesia

P-418 Different Pattern of Left Ventricular Hypertrophy by Type of Exercise: Comparison of Body Builders and Cycle Racers

Choong-Won Rick Goh, Byun Youngsup, Kim Young Joo, Jin Hye Park, Byoung Ok Kim, Kun Joo Rhee

Department of Cardiology, Sanggye-Paik Hospital, Inje University, Korea

P-419 Tanshinone II_A Prevents Doxorubicin-Induced Cardiomyocyte Apoptosis through Akt-Dependent Pathway

Paul Chan¹, Mei-Chi Hsieh¹, Cheng-Hsien Chen¹, Tzu-Hung Cheng²

¹ *Department of Medicine, Taipei Medical University-Wan Fang Hospital, Taiwan*

² *Department of Biological Science and Technology, China Medical University, Taiwan*

P-420 LDL-/HDL-Cholesterol Ratio and Prediction of Myocardial Infarction in the General Japanese Population: Jichi Medical School Cohort Study

Kazuhiko Kotani¹, Shizukiyo Ishikawa², Tadao Gotoh², Atsuko Sadakane¹, Ritei Uehara¹, Kazunori Kayaba³, Yosikazu Nakamura¹, Eiji Kajii²

¹ *Department of Public Health, Center for Community Medicine, Jichi Medical University School of Medicine, Japan*

² *Department of Community and Family Medicine, Center for Community Medicine, Jichi Medical University School of Medicine, Japan*

³ *School of Health and Social Services, Saitama Prefectural University, Japan*

Others 2

Friday, May 22nd, 17:00-18:00

Chairpersons: Hiroshi Inoue (*Second Department of Internal Medicine, Toyama University Hospital, Japan*)Hsuan-Ming Tsao (*National Yang Ming University Hospital, Taiwan*)**P-421** Preventive Effect of Renin-Angiotensin System Inhibitor on Left Atrial Remodeling in Patients with Chronic Atrial FibrillationYamato Fukuda, Nobuo Fukuda, Hisanori Shinohara, Satofumi Morishita, Koichi Sakabe, Yoshiyuki Tamura
*Department of Cardiology and Clinical Research, National Hospital Organization Zentsuji Hospital, Japan***P-422** Radial Artery Approach for Endovascular Salvage of Immature Forearm Hemodialysis FistulasChih-Cheng Wu¹, Szu-Chi Wen¹, Kuei-Chin Tsai¹, Shih-Yun Pu¹, Jaw-Wen Chen²¹ *Department of Cardiology, Hsinchu General Hospital and Yang-Ming University, Taiwan*² *Taipei Veteran General Hospital and Yang-Ming University, Taiwan***P-423** Spontaneous Echo Contrast in Internal Jugular VeinsYing-Tsung Chen¹, Hung-Yi Hsu²¹ *Department of Cardiology, Tungs' Taichung MetroHarbor Hospital, Taiwan*² *Department of Neurology, Tungs' Taichung MetroHarbor Hospital, Taiwan***P-424** Aneurysm of Valsalva Sinus - Report of Operated Case with Msct-64Vu Tuan Nguyen¹, Van Phan Nguyen², Nguyen Vinh Pham²¹ *Cardiology, MEDIC HCMC, Vietnam*² *Heart Institute HCMC, Vietnam***P-425** The Left Common Carotid Artery Rises from the Pulmonary Artery - An Operated Case with MSCT-64Vu Tuan Nguyen¹, Thanh Hai Phan², Duc Huy Dinh³, Kim Phuong Phan³, Nguyen Vinh Pham³¹ *Cardiology, MEDIC HCMC, Vietnam*² *MEDIC HCMC, Vietnam*³ *Heart Institute HCMC, Vietnam***P-426** Role of Coronary Collaterals in Regional Myocardial PerfusionSunanto Ng¹, Ingrid M. Pardede¹, Sunarya A. Soerianata¹, Manoefris Kasim¹, Dede Kusmana¹,
Diederick Grobbee²¹ *Department of Cardiology and Vascular Medicine, University of Indonesia, Indonesia*² *Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, Netherlands*

Others 3

Friday, May 22nd, 17:00-18:00

Chairpersons: Hisashi Kai (*Department of Medicine, Division of Cardiovascular Medicine, Kurume University, Japan*)Hyun-Jae Kang (*Internal Medicine, Seoul National University Hospital, Korea*)**P-427** The Presence of Endothelin-1 in the Pericardium of Patients with Heart Diseases

Shaojun Wen, Jielin Liu, Ya Liu, Yaohong Wang

*Department of Hypertension Research, Capital Medical University, China***P-428** Predictors of Pericardial Effusion as Acute Graft-versus-Host Disease of Cord Blood TransplantationTsunenori Saito¹, Takao Katoh¹, Naofumi Matsuno², Naoyuki Uchida², Atsushi Wake², Shuichi Taniguchi²,
Kyoichi Mizuno¹¹ *Department of Cardiology, Nippon Medical School Hospital, Japan*² *Department of Hematology, Toranomon Hospital, Japan*

- P-429** Caffeine could Worsen the Orthostatic Tolerance during Head-up Tilt Test
 Shioto Itakura¹, Takuya Ono², Yoshinori Kobayashi², Hiroshi Honma², Kazuo Munakata¹, Takao Kato², Kyoichi Mizuno²
¹ Internal Medicine, Nippon Medical School, Japan
² Department of Cardiology, Nippon Medical School, Japan
- P-431** Congenital Absence of Portal Vein as a Rare Cause of Severe Pulmonary Hypertension, Improvement with Sildenafil Treatment
 Iveta Simkova¹, Marcela Tavacova¹, Monika Kaldararova¹, Pavol Pacak¹, Pavol Chnupa¹, Irene Lang²
¹ Cardiology, Slovak Medical University, National Institute of Cardiovascular Diseases, Slovakia
² Department of Cardiology, Medical University, Austria
- P-432** Is the Rule for Termination of Resuscitation Applicable to Patients with Out-of-Hospital Cardiac Arrest in Japan?
 Tomoki Shokawa¹, Koichi Tanigawa², Takao Yamanoue², Takenori Okada¹, Kenji Nishioka¹, Yukiko Nakano¹, Hiroki Teragawa¹, Futoshi Tadehara¹, Hideya Yamamoto¹, Takafumi Ishida¹, Yasuki Kihara¹
¹ Department of Cardiovascular Medicine, Hiroshima University, Japan
² Department of Emergency and Critical Care Medicine Graduate School of Biomedical Sciences, Hiroshima University, Japan

Others 4

Friday, May 22nd, **17:00-18:00**

Chairpersons: Hiroshi Nakamura (Yamaguchi University, Japan)
 Swee Han Lim (Singapore General Hospital, Singapore)

- P-433** Abnormal Blood Rheology in Patients with Cardiac Syndrome X
 Byoung Kwon Lee¹, Azhil Durairaj², Anilkumar Mehra², Herbert J. Meiselman³, Tamas Alexy³
¹ Department of Internal Medicine, Cardiology Division, Inje University, Sanggye Paik Hospital, Korea
² Division of Cardiovascular Medicine, University of Southern California, Keck School of Medicine, United States
³ Department of Physiology and Biophysics, University of Southern California, Keck School of Medicine, United States
- P-434** Abnormal Sympathetic Nerve Activities Provoked in Central Sleep Apnea Syndrome
 Mana Hiraishi, Yasuyo Taniguchi, Takatoshi Hayashi, Shinichiro Yamada, Kazuo Mizutani, Sachiyo Iwata, Akira Shimane, Katsunori Okajima, Masahiro Kumada, Gaku Kanda, Yasue Tsukishiro, Kensuke Matsumoto, Takumi Inoue, Kimitake Imamura, Toru Tagashira, Masahiro Tashiro, Hiroyuki Shibata, Teishi Kajiya
 Department of Cardiology, Himeji Cardiovascular Center, Japan
- P-435** Possible Interaction between Gender and Cardiovascular Risk Factors in First- and Second-Generation Turkish Migrant Women
 Margarethe Hochleitner, Angelika Bader, Doris Musshauer, Alice Chwosta
 Department of Internal Medicine, Innsbruck Medical University, Austria
- P-436** Prevention, Physical Exercise
 Margarethe Hochleitner, Angelika Bader
 Department of Internal Medicine, Innsbruck Medical University, Austria
- P-437** Do We Need Special Prevention Programs also in a General Health-System?
 Margarethe Hochleitner, Angelika Bader
 Department of Internal Medicine, Innsbruck Medical University, Austria

Others 5

Friday, May 22nd, 17:00-18:00

Chairpersons: Hidenori Urata (*Fukuoka University Chikushi Hospital, Japan*)Pradistchai Chaiseri (*The Heart Association of Thailand, Thailand*)

- P-438** Improvement of Quality of Treatment in the Management of Hypercholesterolemia in Asian Patients with Coronary Artery Disease
 Sang Hyun Kim¹, Ji-Dong Sung², Sung-Chul Chae³, Do-Sun Lim⁴, Sang-Hong Baek⁵, Ki-Hoon Han⁶, Dong-Hoon Choi⁷, Young-Keun Ahn⁸, Young-Dae Kim⁹, Hyo-Soo Kim¹⁰
¹ *Cardiology, Seoul National University Boramae Hospital, Korea*
² *Samsung Medical Center, Korea*
³ *Kyungbook University, Korea*
⁴ *Korea University, Korea*
⁵ *Catholic University, Korea*
⁶ *Ulsan University, Korea*
⁷ *Yonsei University, Korea*
⁸ *Chonnam University, Korea*
⁹ *Donga University, Korea*
¹⁰ *Seoul National University, Korea*
- P-439** Weight Change and Mortality in a Prospective Community Study in Taiwan
 Pei-Chun Chen¹, Fung-Chang Sung¹, Kuo-Liong Chien², Ta-Chen Su³, Hsiu-Ching Hsu³, Yuan-Teh Lee⁴
¹ *Institution of Environmental Health, China Medical University, Taiwan*
² *Institution of Preventive Medicine, National Taiwan University, Taiwan*
³ *Department of Internal Medicine, National Taiwan University Hospital, Taiwan*
⁴ *Department of Clinical Medicine, China Medical University, Taiwan*
- P-440** Long-Term Prognostic Value of Stress TL-201 Myocardial SPECT in Patients Initiating Maintenance Hemodialysis
 Yasushi Fukunaka, Masahiro Okazaki, Mika Matsumoto, Masahito Tamura, Yutaka Otsuji
The Second Department of Internal Medicine, University of Occupational and Environmental Health, Japan
- P-441** Nicorandil Prevents Diatrizoate-Induced Cardiomyocyte Apoptosis *in vitro*
 Yen-Ling Chen¹, Shih-Hung Loh¹, Tzu-Hung Cheng², Ju-Chi Liu³
¹ *Graduate Institute of Medical Sciences, National Defense Medical Center, Taiwan*
² *Department of Biological Science and Technology, China Medical University, Taiwan*
³ *Graduate Institute of Medical Sciences, Taipei Medical University, Taiwan*
- P-442** Impact of Hypothermia for Time Interval from Collapse to Return of Cerebral Circulation to Obtain Favorable Recovery on Cardiac Arrests
 Eisuke Kagawa, Ichiro Inoue, Takuji Kawagoe, Masaharu Ishihara, Yuji Shimatani, Satoshi Kurisu, Yasuharu Nakama, Tatsuya Maruhashi, Kazuoki Dai, Junichi Matushita, Hiroki Ikenaga
Department of Cardiology, Hiroshima City Hospital, Japan