

## Opening Ceremony

Main Hall

8:50-9:20

## Congress Chairman's Lecture

Main Hall

9:30-10:00

**Chairperson:** Hirohide Matsuo (*Kagawa University, Medical School, Japan*)

**CCL** Doppler Echocardiography in Diastology: 35 Years of Japanese Contribution to Its Advancement and Utility  
**Akira Kitabatake** (*Chairperson of 17th Asian Pacific Congress of Cardiology / Hokkaido University, Japan*)

## WHF Presidents Session

Main Hall

10:00-10:50 **WHF Presidents Session 1**

**Chairpersons:** Nachiappan Arumugam (*Malaysian Medical Association / Pantai Medical Centre, Malaysia*)  
 Masatsugu Hori (*Osaka Medical Center for Cancer and Cardiovascular Diseases, Japan*)  
 Saichi Hosoda (*Japan Research Promotion Society for Cardiovascular Diseases, Japan*)

**WHF1-1** Global Burden of Cardiovascular Disease: Challenges Ahead  
**Shahryar A. Sheikh** (*World Heart Federation, Pakistan*)

**WHF1-2** Primary and Secondary Prevention of Heart Failure  
**Mario F. de Camargo Maranhão** (*Evangelic School of Medicine and Hospital, Brazil*)

## Special Lecture

Main Hall

11:00-11:25 **Special Lecture-1**

**Chairpersons:** Masunori Matsuzaki (*Yamaguchi University Graduate School of Medicine, Japan*)  
 Shahryar A. Sheikh (*World Heart Federation, Pakistan*)

**SL1** Progression of Cardiovascular Disease: A New Therapeutic Target  
**Jay N. Cohn** (*University of Minnesota Medical School, United States*)

## Special Lecture

Main Hall

11:25-11:50 **Special Lecture-2 (Co-sponsored by Toshiba Medical Systems Corporation)**

**Chairpersons:** Jong-Hoa Bae (*Kyung Hee University Medical Center, Korea*)  
 Chuwa Tei (*Kagoshima University Graduate School of Medical and Dental Sciences, Japan*)

**SL2** Cardiac Imaging in Systolic and Diastolic Heart Failure  
**Jae K. Oh** (*Mayo Clinic College of Medicine, United States*)

## Special Session

Main Hall

14:00-15:30 **Past and Perspective of APSC**

**Chairpersons:** Cheng-Wen Chiang (*Cathay General Hospital & Taipei Medical University, Taiwan*)  
 David T Kelly (*World Heart Federation, Australia*)  
 K.K.Hyder Siddiqui (*B.M.Birla Heart Research Centre, India*)

**SS-1** Asian-Pacific Congress of Cardiology (APCC) - from Birth to the Present  
**Chuichi Kawai** (*Kyoto University / Takeda General Hospital, Japan*)

**SS-2** Future Perspective of the APSC  
**Noe A. Babilonia** (*Philippines Heart Center, Philippines*)

**SS-3** Current Challenges and Future Perspective of APSC  
**Anil Kumar** (*Bombay Hospital & Medical Research Centre, India*)

## Joint Session-1

Main Hall

### 15:40-17:10 WHF-APSC/APHN Joint Session: Tobacco Control

**Chairpersons:** Hisayoshi Fujiwara (*Hyogo Prefectural Amagasaki Hospital, Japan*)  
Marilyn Hunn (*World Heart Federation, Switzerland*)  
Yuko Takahashi (*Nara Women's University Health Administration Center, Japan*)

- JS1-1** Smokeless Tobacco in the US, EU, and Japan  
**Takashi Hanioka** (*Fukuoka Dental College, Japan*)
- JS1-2** Tobacco Control in Japan  
**Keijiro Saku** (*Fukuoka University, Japan*)
- JS1-3** Effective Tobacco Control: Roles and Responsibilities for Today's Cardiologists  
**Edgardo Ulysses N. Dorotheo** (*Framework Convention Alliance; Southeast Asia Tobacco Control Alliance, Philippines*)
- JS1-4** Smoking Cessation: More Quit Attempts More Often  
**Tony Duncan** (*The National Heart Foundation of New Zealand, New Zealand*)

## Symposium1

RoomA

### 14:00-15:30 Heart Failure-1: Aldosterone and heart failure

**Chairpersons:** John W. Funder (*Prince Henry's Institute of Medical Research, Australia*)  
Jitsuo Higaki (*Ehime University Graduate School of Medicine, Japan*)  
Harmani Kalim (*National Cardiovascular Centre, Indonesia*)

- S1-1** The Role and Regulation of Mineralocorticoid Receptor Activation in Heart Failure  
**Morag J. Young** (*Prince Henry's Institute of Medical Research, Australia*)
- S1-2** Physiological and Pathophysiological Actions of Aldosterone to Cardiomyocytes  
**Michihiro Yoshimura** (*The Jikei University School of Medicine, Japan*)
- S1-3** Effects of Aldosterone Blockade on Cardiac Renin-Angiotensin-Aldosterone System in Salt-Sensitive Hypertension  
**Yoshiyu Takeda** (*Graduate School of Medical Science, Kanazawa University, Japan*)
- S1-4** Effectiveness of Aldosterone Blockade in Patients with Hypertension and CKD  
**Atsuhisa Sato** (*International University of Health and Welfare Mita Hospital, Japan*)

## Symposium2

RoomA

### 15:40-17:10 Heart Failure-2: Assessment of left ventricular function in heart failure (Co-sponsored by Astellas Pharma Inc.)

**Chairpersons:** Hamed Oemar (*University Technology MARA, Malaysia*)  
Yasuki Kihara (*Hiroshima University Graduate School of Biomedical Sciences, Japan*)  
Chuwa Tei (*Kagoshima University Graduate School of Medical and Dental Sciences, Japan*)

- S2-1** Assessment of Left Ventricular Systolic Function in Diastolic Heart Failure Using Cardiac Time Intervals  
**Akira Kisanuki** (*Kagoshima University, Japan*)
- S2-2** Assessment of Left Ventricular Diastolic Function by Novel Ultrasound Techniques  
**Satoshi Nakatani** (*Osaka University Graduate School of Medicine, Japan*)
- S2-3** Assessment of LV Function by 3D Echo  
**Tsui-Lieh Hsu** (*Taipei Veterans General Hospital, Taiwan*)
- S2-4** Echo, Small Coronary Artery Stenosis in HCM  
**Woo-Shik Kim** (*Kyung Hee University Medical Center, Korea*)

**Symposium9****RoomD****14:00-15:30 Cardiac Imaging-1: Echocardiographic evaluation of cardiac function: Changing concepts with new technologies**

**Chairpersons:** Tsui-Lieh Hsu (*Taipei Veterans General Hospital, Taiwan*)  
 Tohru Masuyama (*Hyogo College of Medicine, Japan*)  
 Satoshi Nakatani (*Osaka University Graduate School of Medicine, Japan*)

- S9-1** UCG Simulator as a Tool to Bridge Molecular Biology and Hemodynamics  
**Seiryō Sugiura** (*Graduate School of Frontier Sciences, The University of Tokyo, Japan*)
- S9-2** Echocardiographic Evaluation of Cardiac Function: Changing Concepts with New Technologies  
**Yuichi Notomi** (*The Hayama Heart Center, Japan*)
- S9-3** Novel Evaluation of Systolic Function  
**Masaaki Takeuchi** (*University of Occupational and Environmental Health, School of Medicine, Japan*)
- S9-4** Echocardiographic Evaluation of Diastolic Function  
**Dae-Won Sohn** (*Seoul National University College of Medicine, Korea*)
- S9-5** New Insights in Pericardial Diseases: Echocardiographic Evaluation of Constrictive Pericarditis  
**Jong-Won Ha** (*Yonsei University College of Medicine, Korea*)

**Symposium10****RoomD****15:40-17:10 Cardiac Imaging-2: Assessment of coronary artery disease by echocardiography**

**Chairpersons:** Takashi Akasaka (*Wakayama Medical University, Japan*)  
 Kui Hian Sim (*Sarawak General Hospital, Malaysia*)  
 Kiyoshi Yoshida (*Kawasaki Medical School, Japan*)

- S10-1** Critical Role of Echocardiography for Percutaneous Mitral Commissurotomy  
**Jae-Kwan Song** (*Asan Medical Center, University of Ulsan College of Medicine, Korea*)
- S10-2** Coronary Flow Measurement in CAD  
**Kumiko Hirata** (*Wakayama Medical University, Japan*)
- S10-3** Assessment of Myocardial Viability with Echo  
**Hiroshi Ito** (*Okayama University Graduate School of Medicine, Japan*)
- S10-4** Postischemic Diastolic Stunning in CAD  
**Katsuhisa Ishii** (*Kansai Electric Power Hospital, Japan*)

**Symposium14****RoomE****14:00-15:30 Cardiovascular Surgery-1: Asian Pacific experience in heart transplantation**

**Chairpersons:** Yasunaru Kawashima (*National Cardiovascular Center, Japan*)  
 Hikaru Matsuda (*Hyogo University of Health Sciences, Japan*)  
 Pantpis Sakornpant (*Rajavithi Hospital, Thailand*)

- S14-1** Heart Transplantation in Taiwan  
**Shu-Hsun Chu** (*Far Eastern Memorial Hospital / National Taiwan University, Taiwan*)
- S14-2** Heart Transplantation and Mechanical Support in Japan  
**Takeshi Nakatani** (*National Cardiovascular Center, Japan*)
- S14-3** Long-Term Follow-Up of Heart Transplant Recipient  
**Shinichi Nunoda** (*Tokyo Women's Medical University, Medical Center East, Japan*)

**Symposium15****RoomE****15:40-17:10 Cardiovascular Surgery-2: Latest results of CABG with arterial grafts**

**Chairpersons:** Soichiro Kitamura (*National Cardiovascular Center, Japan*)  
 Chuen Neng Lee (*National University Heart Center, Singapore*)  
 Shinichi Takamoto (*The University of Tokyo Hospital, Japan*)

- S15-1** Gastroepiploic Artery Graft  
**Hisayoshi Suma** (*The Cardiovascular Institute, Japan*)
- S15-2** Late Results of Composite Arterial Graft  
**Junjiro Kobayashi** (*National Cardiovascular Center, Japan*)
- S15-3** Are Multiple Blood Sources Better than a Single Blood Source? SNUH Experience of Bilateral Internal Thoracic In-Situ Versus Y-composite Grafts  
**Ki-Bong Kim** (*Seoul National University Hospital, Korea*)
- S15-4** Long-Term Patency of the Free Arterial Grafts  
**Shuichiro Takanashi** (*Sakakibara Heart Institute, Japan*)

**Symposium19****Annex2****14:00-15:30 Interventional Cardiology-1: Drug eluting stent: the future perspective**

**Chairpersons:** Takaaki Isshiki (*Teikyo University Hospital, Japan*)  
 Seyyed Abdolhussein Tabatabaei (*Shariati Hospital / Tehran University, Iran*)

- S19-1** Drug Eluting Stent: Future Perspective in Bangladesh  
**Abdullah Al Shafi Majumder** (*National Institute of Cardiovascular Diseases, Bangladesh*)
- S19-2** What has Changed After Introduction of DES?  
**Sunao Nakamura** (*New Tokyo Hospital, Japan*)
- S19-3** New Drug-Eluting Stents for the Prevention of Stent Thrombosis in Acute Myocardial Infarction  
**Myung Ho Jeong** (*The Heart Center of Chonnam National University Hospital, Korea*)
- S19-4** Low Incidence of Stent Thrombosis in Asia: Race or Technique?  
**Jun-Jack Cheng** (*Shin Kong Memorial Hospital, Taiwan*)

**Symposium20****Annex2****15:40-16:30 Interventional Cardiology-2: IVUS: Management for acute coronary syndrome -from diagnosis to treatment-**

**Chairperson:** Seyyed Abdolhussein Tabatabaei (*Shariati Hospital / Tehran University, Iran*)

- S20-1** Detection of Vulnerable Plaque by VH-IVUS  
**Tadateru Takayama** (*Nihon University School of Medicine, Japan*)
- S20-2** Detection of Vulnerable Plaque by IB-IVUS  
**Masanori Kawasaki** (*Gifu University Graduate School of Medicine, Japan*)

**Luncheon Seminar1****RoomA****12:00-13:00 Therapeutic Approaches for Acute Coronary Syndrome****Chairperson:** Masunori Matsuzaki (*Yamaguchi University Graduate School of Medicine, Japan*)

- LS1-1** Comprehensive Management of Vulnerable Plaque Using Intravascular Imaging Modalities  
**Takafumi Hiro** (*Nihon University School of Medicine, Japan*)
- LS1-2** Safety and Efficacy of Pitavastatin(Livalo®) in Patients with Acute Myocardial Infarction in an Asian Population  
(Livalo-AMI Study; LAMIS)  
**Nam Sik Chung** (*Yonsei University College of Medicine, Korea*)  
(Co-sponsored by Kowa Company, Ltd. / Kowa Pharmaceutical Co. Ltd.)

**Luncheon Seminar2****RoomD****12:00-13:00 Cardio-ankle vascular index (CAVI) could reflect coronary artery atherosclerosis****Chairperson:** Kuniaki Otsuka (*Tokyo Women's Medical University Medical Center East, Japan*)

- LS2** Shigeo Horinaka (*Dokkyo Medical University, Japan*)  
(Co-sponsored by Fukuda Denshi Co., Ltd.)

**Luncheon Seminar3****RoomE****12:00-13:00 The Asian OCT Experience****Chairperson:** Takashi Akasaka (*Wakayama Medical University, Japan*)

- LS3-1** The Korean OCT Experience; Current Status and Future Prospects  
**Jung-Sun Kim** (*Yonsei University College of Medicine, Korea*)
- LS3-2** The Chinese OCT Experience; Current Status and Future Prospects  
**Bu Xing Chen** (*Beijing Electric Power Hospital, China*)  
(Co-sponsored by Goodman Co., Ltd.)

**Luncheon Seminar4****Annex2****12:00-13:00 Practical Extension of  $\beta$  Blocker Therapy - $\beta$  Blockers Paradigm Shift-****Chairperson:** Tohru Izumi (*Kitasato University School of Medicine, Japan*)

- LS4-1** Is it really contraindicated? -How to select and use the beta-blocker-  
**Shinichi Momomura** (*Jichi Medical University, Saitama Medical Center, Japan*)
- LS4-2** What does happen with us? The relation of heart rate and prognosis.  
-Recent meta analyses of beta-blocker therapy-  
**Akira Yamashina** (*Tokyo Medical University, Japan*)  
(Co-sponsored by Mitsubishi Tanabe Pharma Corporation)

## POSTER SESSIONS 1

Annex Hall 1

## Heart Failure/Myocardial Diseases 1

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

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

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

## Heart Failure/Myocardial Diseases 2

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

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

- P-9** Delayed Enhancement on Cardiac Magnetic Resonance and Clinical, Morphological and ECG Features in Hypertrophic Cardiomyopathy  
Hiroshi Satoh<sup>1</sup>, Fumitaka Matoh<sup>2</sup>, Katsunori Shiraki<sup>1</sup>, Takeji Saitoh<sup>1</sup>, Masao Saotome<sup>1</sup>, Tsuyoshi Urushida<sup>1</sup>, Hideki Katoh<sup>1</sup>, Hideharu Hayashi<sup>1</sup>  
<sup>1</sup> Internal Medicine III, Hamamatsu University School of Medicine, Japan  
<sup>2</sup> Department of Cardiology, Omaezaki General Hospital, Japan
- P-10** Metabolic Remodeling Characterizes Transition from Cardiac Hypertrophy to Failure  
Takao Kato<sup>1</sup>, Yasutaka Inuzuka<sup>1</sup>, Yodo Tamaki<sup>1</sup>, Tsuneaki Kawashima<sup>1</sup>, Shinichiro Niizuma<sup>1</sup>, Junji Okuda<sup>1</sup>, Yoshitaka Iwanaga<sup>1</sup>, Toru Kita<sup>1</sup>, Tomoyoshi Soga<sup>2</sup>, Tetsuo Shioi<sup>1</sup>  
<sup>1</sup> Department of Cardiology, Kyoto University, Japan  
<sup>2</sup> Institute for Advanced Bioscience, Keio University, Japan

- P-11** Suppression of Insulin Signaling Improves Protein Homeostasis and Prevents Cardiac Aging in Mice  
 Yasutaka Inuzuka<sup>1</sup>, Junji Okuda<sup>1</sup>, Tsuneaki Kawashima<sup>1</sup>, Takao Kato<sup>1</sup>, Shinichiro Niizuma<sup>1</sup>, Yodo Tamaki<sup>1</sup>, Yoshitaka Iwanaga<sup>1</sup>, Yuki Yoshida<sup>2</sup>, Rie Kosugi<sup>2</sup>, Yoji Machida<sup>2</sup>, Tohru Izumi<sup>2</sup>, Toru Kita<sup>1</sup>, Tetsuo Shioi<sup>1</sup>  
<sup>1</sup> Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Japan  
<sup>2</sup> Department of Cardio-Angiology, Kitasato University School of Medicine, Japan
- P-12** Quantifying Regional Left Ventricular Systolic Function by Two-Dimensional Strain in Swine Myocardial Infarct Model  
 Yacui Gu<sup>1</sup>, Winston Shim<sup>1</sup>, Shiqi Li<sup>1</sup>, Ting Huay Ooi<sup>1</sup>, Thu Thao Le<sup>1</sup>, Hweechoo Ong<sup>1</sup>, In Chin Song<sup>2</sup>, Seng Chye Chuah<sup>3</sup>, Li Fern Hsu<sup>3</sup>, Philip Wong<sup>3</sup>  
<sup>1</sup> Research and Development Unit, National Heart Centre of Singapore, Singapore  
<sup>2</sup> Singhealth Experimental Medical Centre of Singapore, Singapore  
<sup>3</sup> Department of Cardiology, National Heart Centre of Singapore, Singapore

### Heart Failure/Myocardial Diseases 3

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

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

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

- P-13** The Role of MDA5 in Enterovirus Persistence in Heart Tissues of DCM Patients  
 Akira Ukimura, Akio Iimori, Nobuhisa Fukuda, Fumio Terasaki, Yasushi Kitaura  
 Third Department of Internal Medicine, Osaka Medical College, Japan
- P-14** Influence of Gender Differences on Clinical Characteristics in Patients with Cardiac Sarcoidosis  
 Yoshikazu Yazaki<sup>1</sup>, Shin-ichi Aso<sup>2</sup>, Ayako Takahashi<sup>1</sup>, Mitsuaki Horigome<sup>1</sup>, Takeshi Tomita<sup>2</sup>, Hiroki Kasai<sup>2</sup>, Atsushi Izawa<sup>2</sup>, Minoru Hongo<sup>3</sup>, Uichi Ikeda<sup>2</sup>  
<sup>1</sup> Division of Cardiology, NHO Matsumoto Medical Center, Japan  
<sup>2</sup> Department of Cardiovascular Medicine, Shinshu University, Japan  
<sup>3</sup> Shinshu University School of Allied Health Science, Japan
- P-15** Decreased Expression of Dystrophin: Possibly an Adverse Effect of TNF- $\alpha$  in Patients with DCM  
 Nahar Saikia Uma<sup>1</sup>, Shamim Ahmad<sup>2</sup>, Madhu Khullar<sup>2</sup>, Ajay Bahl<sup>3</sup>, M Thungapathra<sup>4</sup>, Kewal K. Talwar<sup>3</sup>  
<sup>1</sup> Department of Histopathology, Postgraduate Institute of Medical Education and Research, India  
<sup>2</sup> Department of Experimental Medicine & Biotechnology Postgraduate Institute of Medical Education & Research, India  
<sup>3</sup> Department of Cardiology, Postgraduate Institute of Medical Education & Research, India  
<sup>4</sup> Department of Biochemistry, Postgraduate Institute of Medical Education & Research, India
- P-16** Low Level of Coxsackievirus RNA in the Myocardium of Patients with End-Stage Idiopathic Dilated Cardiomyopathy  
 Shigekazu Fujioka, Yasushi Kitaura, Hirofumi Deguchi  
 Third Division of Department of Internal Medicine, Osaka Medical College, Japan
- P-17** Anti-Inflammatory Effects of S100A8/A9 on Experimental Autoimmune Myocarditis through Modulation of the Proinflammatory Cytokine Network  
 Kaoru Otsuka<sup>1</sup>, Fumio Terasaki<sup>1</sup>, Masaki Ikemoto<sup>2</sup>, Takashi Katashima<sup>1</sup>, Shuichi Fujita<sup>1</sup>, Yumiko Kanzaki<sup>1</sup>, Koichi Sohmiya<sup>1</sup>, Tatsuji Kono<sup>1</sup>, Masatoshi Fujita<sup>2</sup>, Yasushi Kitaura<sup>1</sup>  
<sup>1</sup> Department of Internal Medicine III, Osaka Medical College, Japan  
<sup>2</sup> Human Health Sciences, Kyoto University Graduate School of Medicine, Japan
- P-18** Matrix Metalloproteinases and Late Gadolinium-Enhancement with Cardiovascular Magnetic Resonance in Patients with Dilated Cardiomyopathy  
 Tomoaki Ohtsuka, Takayuki Nagai, Kazuhisa Nishimura, Katsuji Inoue, Jun Suzuki, Akiyoshi Ogimoto, Hideki Okayama, Jitsuo Higaki  
 Division of Cardiology, Ehime University Graduate School of Medicine, Japan

## Heart Failure/Myocardial Diseases 4

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

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

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

## Heart Failure/Myocardial Diseases 5

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

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

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

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

## Heart Failure/Myocardial Diseases 6

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

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

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

- P-31** Osteopontin could Cause Cardiac Remodeling and be a Predictor of the Responsiveness to Beta-Blockers in Heart Failure  
 Hiroshi Okamoto<sup>1</sup>, Shinpei Nonen<sup>2</sup>, Yasushi Fujio<sup>2</sup>, Yasuhiko Takemoto<sup>3</sup>, Minoru Yoshiyama<sup>3</sup>, Junichi Azuma<sup>4</sup>, Masatsugu Hori<sup>5</sup>, Akira Kitabatake<sup>6</sup>  
<sup>1</sup> Department of Cardiovascular Medicine, Hokkaido Medical Center, Japan  
<sup>2</sup> Graduate School of Pharmaceutical Sciences, Osaka University, Japan  
<sup>3</sup> Department of Internal Medicine and Cardiology, Osaka City University School of Medicine, Japan  
<sup>4</sup> Hyogo University of Health Sciences, Japan  
<sup>5</sup> Osaka Medical Center for Cancer and Cardiovascular Diseases, Japan  
<sup>6</sup> Hokkaido University, Japan
- P-33** Left Ventricular Expression of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 in Dahl Salt-Sensitive Rats with Heart Failure  
 Tomohide Takaya<sup>1</sup>, Tatsuya Morimoto<sup>1</sup>, Yoichi Sunagawa<sup>1</sup>, Hiromichi Wada<sup>1</sup>, Teruhisa Kawamura<sup>1</sup>, Akira Shimatsu<sup>1</sup>, Masatoshi Fujita<sup>2</sup>, Yoshiko Fujita<sup>3</sup>, Tatsuya Sawamura<sup>3</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 Human Health Sciences, Graduate School of Medicine, Kyoto University, Japan  
<sup>3</sup> Department of Vascular Physiology, National Hospital Organization, Japan
- P-34** The Anti-Inflammatory Mechanism of Prostaglandin E2 Receptor-4 Activation in Rat Experimental Autoimmune Myocarditis  
 Jun-ichi Suzuki<sup>1</sup>, Masahito Ogawa<sup>1</sup>, Kiyoshi Takayama<sup>2</sup>, Mitsuaki Isobe<sup>2</sup>  
<sup>1</sup> Department of Advanced Clinical Science and Therapeutics, University of Tokyo, Japan  
<sup>2</sup> Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Japan
- P-35** Quality-of-Care Indicators in Patients with Acute Myocardial Infarction can be Improved by a Continuous Quality Improvement Program  
 Cheng-Hung Chiang, Feng-Yu Kuo, Wei-Chun Huang, Chin-Chang Cheng, Cheng-Chih Chung, Han-Lin Tsai, Kuan-Rau Chiou, Guang-Yuan Mar, Shin-Hung Hsiao, Shih-Kai Lin, Hsiang-Chiang Hsiao, Doyal Lee, Chuen-Wang Chiou, Tung-Cheng Yeh, Hung-Ru Huang, Chi-Cheng Lai, Shoa-Lin Lin, Chun-Peng Liu  
 Cardiovascular Medical Center, Kaohsiung Veteran General Hospital, Taiwan
- P-36** The Effects of Stromal Vascular Fraction from Adipose Tissue on Rat Acute Myocardial Infarction  
 Wei Zhuang<sup>1</sup>, Liangdi Xie<sup>2</sup>  
<sup>1</sup> Department of Cardiology, the Affiliated First Hospital, Fujian Medical University/ Fujian Hypertension Research Institute, China  
<sup>2</sup> NO.4, Medical Department, the Affiliated First Hospital, Fujian Medical University/ Fujian Hypertension Research Institute, China

## Heart Failure/Myocardial Diseases 7

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

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

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

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

## Heart Failure/Myocardial Diseases 8

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

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

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

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

- P-44** Comparison and Contrast of Findings among Acute Decompensated Heart Failure Syndromes Registries - Preliminary Data from ATTEND Registry -  
 Naoki Sato<sup>1</sup>, Katsuya Kajimoto<sup>2</sup>, Michitaka Nagashima<sup>3</sup>, Kuniya Asai<sup>4</sup>, Masaaki Mizuno<sup>3</sup>, Yuichiro Minami<sup>3</sup>, Koji Murai<sup>1</sup>, Ryo Munakata<sup>1</sup>, Kyoichi Mizuno<sup>4</sup>, Keiji Tanaka<sup>1</sup>, Nobuhisa Hagiwara<sup>3</sup>, Hiroshi Kasanuki<sup>3</sup>, Teruo Takano<sup>4</sup>  
<sup>1</sup> Intensive and Cardiac Care Unit, Nippon Medical School, Japan  
<sup>2</sup> Department of Cardiology, Shonan Dai-ichi Hospital, Japan  
<sup>3</sup> Department of Cardiology, Tokyo Women's Medical University, Japan  
<sup>4</sup> Department of Internal Medicine, Divisions of Cardiology, Hepatology, Geriatrics, and Integrated Medicine, Nippon Medical School, Japan
- P-46** Neurohormonal Blockade is Associated with Prevention of Cachexia in Chronic Heart Failure  
 Suko Adiarto, Doni Firman, Basuni Radi, Bambang Budi Siswanto  
 Department of Cardiology and Vascular Medicine, University of Indonesia, Indonesia
- P-47** Coronary Microvascular Function as a Target for Prevention of Systolic Heart Failure in Chronic Aortic Regurgitation  
 Hideki Okui, Shuichi Hamasaki, Takehiko Matsushita, Sanemasa Ishida, Akiko Yoshikawa, Tetsuro Kataoka, Koji Orihara, Keishi Saihara, Takuro Shinsato, Takuro Kubozono, So Kuwahata, Shoji Fujita, Takuro Takumi, Naoya Oketani, Chuwa Tei  
 Department of Cardiovascular, Respiratory and Metabolic Medicine, Graduate School of Medicine, Kagoshima University, Japan
- P-48** Music Attenuates Heart Failure Events, Plasma IL-6 and E Levels in Elderly Patients  
 Akira Kurita<sup>1</sup>, Bonpei Takase<sup>2</sup>, Kaoru Okada<sup>3</sup>, Eitarou Kodani<sup>3</sup>, Yoshiki Kusama<sup>3</sup>, Hirotsugu Atarashi<sup>3</sup>  
<sup>1</sup> Fukuinkai Clinic, A Social Welfare Corporation, Japan  
<sup>2</sup> National Defense Medical College, Japan  
<sup>3</sup> Nippon Medical School, Japan

## Heart Failure/Myocardial Diseases 9

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

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

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

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

## Heart Failure/Myocardial Diseases 10

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

**Chairpersons:** Tsutomu Yoshikawa (*Cardiology Division, Department of Medicine, Keio University School of Medicine, Japan*)

Bambang Budi Siswanto (*Indonesian Heart Association, Indonesia*)

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

## Heart Failure/Myocardial Diseases 11

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

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

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

- P-61** Heart Failure Causes Platelet Activation, through Impaired Endothelial Function  
 Toshio Kinoshita<sup>1</sup>, Atsushi Namiki<sup>1</sup>, Shunsuke Kiuchi<sup>1</sup>, Yasumichi Yamagishi<sup>1</sup>, Toshisuke Morita<sup>2</sup>, Jun-ichi Yamazaki<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Toho University, Japan*  
<sup>2</sup> *Department of Laboratory Medicine, Toho University, Japan*
- P-62** Role of Cardiac Hormone in Enhanced Hypercapnic Chemosensitivity in Patients with Old Myocardial Infarction (OMI)  
 Hiroshi Takahashi, Nagaharu Fukuma, Akiko Ushijima, Yuko Kato, Hiroko Hayashi, Hiroshi Kishida, Kyouichi Mizuno  
*Department of Cardiology, Nippon Medical School, Japan*
- P-63** Prognosis of Heart Failure Patients with Sleep Apnea which was not Effectively Suppressed by Positive Airway Pressure Therapy  
 Takatoshi Kasai<sup>1</sup>, Koji Narui<sup>1</sup>, Tomotaka Dohi<sup>1</sup>, Satoshi Kasagi<sup>1</sup>, Ken-ichi Maeno<sup>1</sup>, Sugao Ishiwata<sup>2</sup>, Minoru Ohno<sup>2</sup>, Tetsu Yamaguchi<sup>2</sup>, Shin-ichi Momomura<sup>3</sup>  
<sup>1</sup> *Sleep Center, Toranomon Hospital, Japan*  
<sup>2</sup> *Cardiovascular Center, Toranomon Hospital, Japan*  
<sup>3</sup> *Cardiovascular Division, Jichi Medical University Saitama Medical Center, Japan*
- P-64** Usefulness and Limitation of Cardiac Magnetic Resonance Imaging in Patients with Cardiac Sarcoidosis  
 Yoshikazu Yazaki<sup>1</sup>, Mitsuaki Horigome<sup>1</sup>, Hirohiko Motoki<sup>2</sup>, Minoru Hongo<sup>3</sup>, Uichi Ikeda<sup>2</sup>, Katsumi Uehara<sup>4</sup>, Atsuko Ito<sup>4</sup>  
<sup>1</sup> *Division of Cardiology, NHO Matsumoto Medical Center, Japan*  
<sup>2</sup> *Department of Cardiovascular Medicine, Shinshu University, Japan*  
<sup>3</sup> *Shinshu University School of Allied Science, Japan*  
<sup>4</sup> *Division of Radiology, Aizawa Hospital, Japan*
- P-65** Relationship between Renal Function and Serum Cardiac Troponin T in Patients with Chronic Heart Failure  
 Chiho Kawahara, Takayoshi Tsutamoto, Masayuki Yamaji, Keizo Nishiyama, Takashi Yamamoto, Masanori Fujii, Minoru Horie  
*Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Japan*

## Heart Failure/Myocardial Diseases 12

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

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

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

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

- P-68** Perceptions Towards Heart Failure and its Treatment: A Qualitative Exploratory Study among Readmitted Patients in Malaysia  
 Chiau Ming Long<sup>1</sup>, Mohamed Azmi Hassali<sup>2</sup>, Omar Ismail<sup>3</sup>  
<sup>1</sup> Faculty of Pharmacy, University of Technology MARA, Malaysia  
<sup>2</sup> Discipline of Social and Administrative Pharmacy, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Malaysia  
<sup>3</sup> Department of Cardiology, Penang General Hospital, Ministry of Health, Malaysia
- P-69** Effect of Waon Therapy on Oxidative Stress in Patients with Chronic Heart Failure  
 Shoji Fujita<sup>1</sup>, Masaaki Miyata<sup>1</sup>, Takashi Kihara<sup>1</sup>, Tsuyoshi Fukudome<sup>1</sup>, Takuro Shinsato<sup>1</sup>, Takuro Kubozono<sup>1</sup>, So Kuwahata<sup>1</sup>, Tsuyoshi Yamaguti<sup>2</sup>, Shuichi Hamasaki<sup>1</sup>, Hiroyuki Torii<sup>2</sup>, Chuwa Tei<sup>1</sup>  
<sup>1</sup> Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan  
<sup>2</sup> Kagoshima City Medical Association Hospital, Japan
- P-70** Waon Therapy Improves the Prognosis of Patients with Chronic Heart Failure  
 Masaaki Miyata<sup>1</sup>, Takashi Kihara<sup>1</sup>, Tsuyoshi Fukudome<sup>1</sup>, Yoshiyuki Ikeda<sup>1</sup>, Takuro Shinsato<sup>1</sup>, Takuro Kubozono<sup>1</sup>, Shoji Fujita<sup>1</sup>, So Kuwahata<sup>1</sup>, Shuichi Hamasaki<sup>1</sup>, Hiroyuki Torii<sup>2</sup>, Soki Lee<sup>3</sup>, Hitoshi Toda<sup>3</sup>, Chuwa Tei<sup>1</sup>  
<sup>1</sup> Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan  
<sup>2</sup> Department of Cardiology, Kagoshima City Medical Association Hospital, Japan  
<sup>3</sup> Department of Cardiology, Kagoshima City Hospital, Japan

### Heart Failure/Myocardial Diseases 13

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

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

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

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

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

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

- P-76** Demonstrating the Pharmacogenetic Effects of Angiotensin-Converting Enzyme Inhibitors on Long-Term Prognosis of Diastolic Heart Failure  
Cho-Kai Wu<sup>1</sup>, Chia-Ti Tsai<sup>1</sup>, Yin-Tsen Huang<sup>2</sup>, Jou-Wei Lin<sup>1</sup>, Juey-Jen Hwang<sup>1</sup>, Fu-Tien Chiang<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, National Taiwan University Hospital, Taiwan*  
<sup>2</sup> *Department of Family Medicine, Mackay Memorial Hospital, Taiwan*
- P-77** Beta-Blocker Therapy Improves Diastolic Function Even without the Changes in Systolic Function in Patients with Reduced Ejection Fraction  
Shunsuke Tamaki, Yasushi Sakata, Toshiaki Mano, Tomohito Ohtani, Yasuharu Takeda, Daisuke Kamimura, Yosuke Omori, Kazuhiro Yamamoto  
*Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Japan*
- P-78** Effects of Carvedilol on Sympathetic Nervous System in Patients with Chronic Heart Failure  
Shigeru Takechi<sup>1</sup>, Maiko Machida<sup>2</sup>, Masaya Watanabe<sup>1</sup>, Tetsuya Fujimoto<sup>2</sup>, Shigeo Kakinoki<sup>3</sup>, Akikazu Nomura<sup>2</sup>  
<sup>1</sup> *Department of Cardiovascular Medicine, Date Redcross Hospital, Japan*  
<sup>2</sup> *Hokkaido College of Pharmacy, Japan*  
<sup>3</sup> *Otarukyoukai Hospital, Japan*
- P-79** Differential Effects of Carvedilol and Metoprolol on Renal Function in Patients with Heart Failure  
Hiroyuki Ito<sup>1</sup>, Yuji Nagatomo<sup>1</sup>, Takashi Kohno<sup>1</sup>, Toshihisa Anzai<sup>1</sup>, Tomomi Meguro<sup>2</sup>, Satoshi Ogawa<sup>1</sup>, Tsutomu Yoshikawa<sup>1</sup>  
<sup>1</sup> *Cardiology Division, Department of Medicine, Keio University School of Medicine, Japan*  
<sup>2</sup> *Tokyo Electric Power Company Hospital, Japan*
- P-80** Effects of Lymphangiogenic Factors on Left Ventricular Function in Heart Diseases  
Ryosuke Nishio<sup>1</sup>, Hajime Kubo<sup>2</sup>, Kaoru Koike<sup>1</sup>, Akira Matsumori<sup>3</sup>  
<sup>1</sup> *Division of Emergency Medicine, Kyoto University Hospital, Japan*  
<sup>2</sup> *Department of Surgery, Kyoto University Graduate School of Medicine, Japan*  
<sup>3</sup> *Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Japan*

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

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

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

- P-83** Evaluation of Multiple Coronary Artery Aneurysms in Kawasaki's Disease by Whole Heart Non-Contrast Enhanced MRI  
 Osama L Gomaa<sup>1</sup>, Tarinee Tangcharoen<sup>2</sup>, Thomas Kokocinski<sup>2</sup>, Bernhard Schnackenburg<sup>2</sup>, Fleck Eckart<sup>2</sup>, Eike Nagel<sup>2</sup>  
<sup>1</sup> Jackson Memorial Hospital/ University of Miami, United States  
<sup>2</sup> German Heart Center Berlin, Germany
- P-84** ECG Strain Pattern is Related to Endo/ Epimyocardial Radial Strain Ratio and Coronary Flow Velocity Reserve in Hypertensive Patients  
 Yu Arita, Kumiko Hirata, Nobuo Nakamura, Hideyuki Ikejima, Keishi Okochi, Hiroto Tsujioka, Akio Kuroi, Hideaki Kataiwa, Kenichi Komukai, Takashi Tanimoto, Hironori Kitabata, Shigeo Takarada, Masato Mizukoshi, Atsushi Tanaka, Toshio Imanishi, Takashi Akasaka  
 Department of Cardiology, Wakayama Medical University, Japan
- P-85** Clinical Significance of Bizarre Pulsatile Motion of Carotid Artery Plaque Visualized by Carotid Sonography  
 Taisei Mikami<sup>1</sup>, Mutsuko Muraki<sup>1</sup>, Hisao Onozuka<sup>1</sup>, Tetsuyuki Yoshimoto<sup>2</sup>, Mayumi Kitaguchi<sup>2</sup>, Tomoko Sugawara<sup>2</sup>, Takeshi Yoshizumi<sup>2</sup>, Tomohide Shirasaka<sup>2</sup>, Shin Fujimoto<sup>2</sup>, Kohichi Tokuda<sup>2</sup>, Sadao Kaneko<sup>2</sup>, Takeshi Kashiwaba<sup>2</sup>, Ayumu Abe<sup>1</sup>, Satoshi Yamada<sup>1</sup>, Hiroyuki Tsutsui<sup>3</sup>  
<sup>1</sup> Faculty of Health Sciences, Hokkaido University, Japan  
<sup>2</sup> Kashiwaba Neurosurgery Hospital, Japan  
<sup>3</sup> Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan
- P-86** Incidence of Asymptomatic Coronary Artery Disease in Patients Undergoing AF Ablation- Usefulness of Measuring Coronary Artery Calcium Scores  
 Reginald Liew, Truong Son Pham, See Hooi Ewe, Chi Keong Ching, Li Fern Hsu, Wee Siong Teo, Swee Yaw Tan  
 Department of Cardiology, National Heart Centre, Singapore

## Imaging 2

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

**Chairpersons:** Isao Kubota (Yamagata University, Japan)

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

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

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

Joon-Won Kang<sup>1</sup>, Tae-Hwan Lim<sup>1</sup>, Choong Gon Choi<sup>1</sup>, Gi-Young Ko<sup>1</sup>, Jeong Kon Kim<sup>1</sup>, Tae-Won Kwon<sup>2</sup>

<sup>1</sup> Department of Radiology, Asan Medical Center, Korea

<sup>2</sup> Division of Vascular Surgery, Department of Surgery, Asan Medical Center, Korea

### Imaging 3

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

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

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

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

### Imaging 4

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

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

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

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

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

## Imaging 5

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

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

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

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

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

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

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

## Imaging 6

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

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

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

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

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

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

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

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

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

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

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

[Shankar Kumar Biswas](#)<sup>1</sup>, Masayoshi Sarai<sup>1</sup>, Akira Yamada<sup>1</sup>, Kunihiko Sugimoto<sup>2</sup>, Hiroyuki Naruse<sup>1</sup>, Masatsugu Iwase<sup>1</sup>, Hitoshi Hishida<sup>1</sup>, Yukio Ozaki<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Fujita Health University Hospital, Japan*  
<sup>2</sup> *Joint Research and Clinical Laboratory, Fujita Health University Hospital, Japan*

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

[Shankar Kumar Biswas](#)<sup>1</sup>, Masayoshi Sarai<sup>1</sup>, Hiroshi Toyama<sup>2</sup>, Akira Yamada<sup>1</sup>, Sadako Motoyama<sup>1</sup>, Hiroto Harigaya<sup>1</sup>, Tomonori Hara<sup>1</sup>, Hiroyuki Naruse<sup>1</sup>, Hitoshi Hishida<sup>1</sup>, Yukio Ozaki<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Fujita Health University Hospital, Japan*  
<sup>2</sup> *Nuclear Medicine Division, Department of Radiology, Fujita Health University Hospital, Japan*

## Imaging 7

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

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

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

- P-117** Role of 64 Multi-Detector Computed Tomography in Congenital Heart Diseases  
 Son Phi Duong, Vu Tuan Nguyen, Trinh Xuan Nguyen, Hai Thanh Phan  
*Department of Cardiology, Medic Medical Center, Vietnam*
- P-118** Single Left Coronary Artery Described by 64-Slice MSCT  
 Trinh Xuan Nguyen, Vu Tuan Nguyen, Hai Thanh Phan  
*Department of Cardiology, Medic Medical Center, Vietnam*
- P-119** Ethnic Differences in Coronary Artery Calcification in Singapore  
 Pow-Li Chia, Raymond Lee, Kheng Thye Ho  
*Department of Cardiology, Tan Tock Seng Hospital, Singapore*
- P-120** Stratification of Adults by Pericardial Fat Thickness Using Cardiovascular Magnetic Resonance: The Framingham Heart Study  
 Michael Chuang<sup>1</sup>, Noriko Oyama<sup>2</sup>, Philimon Gona<sup>3</sup>, Carol J Salton<sup>1</sup>, Rahul R Jhaveri<sup>1</sup>, Daniel Levy<sup>4</sup>, Christopher J O'donnell<sup>4</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> *Department of Radiology, Hokkaido University, Japan*  
<sup>3</sup> *The Framingham Heart Study and the Department of Statistics, Boston University, United States*  
<sup>4</sup> *The Framingham Heart Study, United States*
- P-121** Association of ST Segment Depression > 5 Min after Exercise Testing with Severity of Coronary Artery Disease  
 Faiza Malik, Ayaz Hussain Shaikh, Bashir Hanif  
*Department of Cardiology, Tabba Heart Institute, Pakistan*
- P-122** Decreased High Molecular Weight Adiponectin Level is Associated with Unstable Coronary Plaques as Detected by 64-Multidetector Computed Tomography  
 Eiji Kunita<sup>1</sup>, Hideya Yamamoto<sup>1</sup>, Hiroto Utsunomiya<sup>1</sup>, Toshiharu Oka<sup>1</sup>, Ryo Yamazato<sup>1</sup>, Norihiko Ohashi<sup>1</sup>, Toshiro Kitagawa<sup>1</sup>, Jun Horiguchi<sup>2</sup>, Katsuhide Ito<sup>2</sup>, Yasuki Kihara<sup>1</sup>  
<sup>1</sup> *Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical Science, Japan*  
<sup>2</sup> *Radiology, Hiroshima University Graduate School of Biomedical Science, Japan*

## Imaging 8

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

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

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

- P-123** Pharmacological Stress with Adenosine in Myocardial Perfusion Imaging: Experience in Bangladesh  
 Syed Mahabub Ebna Al Baker<sup>1</sup>, Haque Sirajul K. M. H. S.<sup>1</sup>, Mohammad Mukhlesur Rahman<sup>1</sup>, Md. Khurshed Ahmed<sup>1</sup>, Tanzima Parvin<sup>1</sup>, Lutfun Nisa<sup>2</sup>, Faria Nasreen<sup>2</sup>  
<sup>1</sup> *Department of Cardiology, Bangabandhu Sheikh Mujib Medical University, Bangladesh*  
<sup>2</sup> *Department of Nuclear Cardiology, Institute of Nuclear Medicine & Ultrasound, BSMMU, Bangladesh*

- P-124** Detection of Viable Myocardium of Coronary Artery Disease (CAD) after Old MI by DSE and Gated SPECT MPI  
 Golam Azam Md.<sup>1</sup>, Sajal Krishna Banerjee<sup>2</sup>, Haque Sirajul K. M. H. S.<sup>2</sup>, Md. Mokhlesur Rahman<sup>2</sup>, Chowdhury Meshkat Ahmed<sup>2</sup>, Nasreen Sultana<sup>3</sup>, Lutfun Nessa<sup>3</sup>, Mohammad Salman<sup>2</sup>  
<sup>1</sup> Department of Cardiology, National Institute of Cardiovascular Diseases and Hospital (NICVD), Bangladesh  
<sup>2</sup> Department of Cardiology, Bangabandhu Sheikh Mujib Medical University, Bangladesh  
<sup>3</sup> Institute of Nuclear Medicine and Ultrasound, BSMMU, Bangladesh
- P-125** Correlation of Duke Treadmill Score with Gated SPECT-MPI (Myocardial Perfusion Imaging) in Patients Referred for Chest Pain Evaluation  
 Ayaz Hussain Shaikh, Faiza Malik, Bashir Hanif, Khursheed Hassan, Adnan Amin, Shamim Siddiqui  
 Department of Cardiology, Tabba Heart Institute, Pakistan
- P-126** Diagnosis of Cardiac Amyloidosis with Quantitative Analysis of Myocardial Technetium-99m-Pyrophosphate Scintigraphy  
 Nobuhiro Kodani<sup>1</sup>, Yutaka Ishibashi<sup>1</sup>, Kana Tojo<sup>2</sup>, Nobuyuki Takahashi<sup>1</sup>, Jun Kitamura<sup>1</sup>, Hidetoshi Satoh<sup>1</sup>, Hiroyuki Yoshitomi<sup>1</sup>, Shu-ichi Ikeda<sup>2</sup>, Kazuaki Tanabe<sup>1</sup>  
<sup>1</sup> The 4th Department of Internal Medicine, Shimane University Faculty of Medicine, Japan  
<sup>2</sup> The 3rd Department of Internal Medicine, Shinshu University School of Medicine, Japan
- P-127** Lutembacher Syndrome and Persistent Left Superior Vena Cava in a Young Female  
 Michael-Joseph F. Agbayani, Gay Marjorie M. Obrado  
 Department of Internal Medicine, Section of Cardiology, Philippine General Hospital, Philippines

## POSTER SESSIONS 3

Annex Hall 1

### Cardiovascular Surgery 1

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

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

- P-128** Mitral Complex Reconstruction for Functional Mitral Regurgitation- Direction of Papillary Muscle Suspension  
 Yasushige Shingu<sup>1</sup>, Satoshi Yamada<sup>2</sup>, Noriyoshi Ebuoka<sup>1</sup>, Takashi Sugiki<sup>1</sup>, Kinya Matsui<sup>1</sup>, Satoru Wakasa<sup>1</sup>, Tomonori Ooka<sup>1</sup>, Tsuyoshi Tachibana<sup>1</sup>, Tomoji Yamakawa<sup>1</sup>, Suguru Kubota<sup>1</sup>, Norihiko Shiiya<sup>1</sup>, Hiroyuki Tsutsui<sup>2</sup>, Yoshiro Matsui<sup>1</sup>  
<sup>1</sup> Department of Cardiovascular Surgery, Hokkaido University, Japan  
<sup>2</sup> Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Japan
- P-129** Influence of Diabetes Mellitus on Long-Term Clinical and Angiographic Results after Off-Pump Coronary Artery Bypass  
 Ho Young Hwnag, Jun Sung Kim, Ki-Bong Kim  
 Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Korea
- P-130** Left Ventricular Perivalvular Pseudoaneurysm after Infective Endocarditis of the Mitral Valve  
 Pavol Chnupa<sup>1</sup>, Juraj Dubrava<sup>2</sup>, Iveta Simkova<sup>1</sup>  
<sup>1</sup> Noninvasive Cardiology, National Institute of Cardiovascular Diseases, Slovakia  
<sup>2</sup> St. Cyril and Method Faculty Hospital, Slovakia
- P-131** Mitral Regurgitation in Chronic Anterior Myocardial Infarction: Results Following Surgical Ventricular Restoration and Mitral Repair  
 Marisa Di Donato, Serenella Castelvechio, Lorenzo Menicanti  
 Cardiac Surgery, San Donato Hospital, Italy

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

### Cardiovascular Surgery 2

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

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

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

### Cardiovascular Surgery 3

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

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

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

- P-140** Thoracic/Thoracoabdominal Aortic Repair in Patients with Chronic Renal Failure on Hemodialysis  
[Hideyuki Shimizu](#), Naritaka Kimura, Misato Kobayashi, Ryo Suzuki, Hirofumi Kasahara, Tatsuo Takahashi, Osamu Ishida, Kentaro Yamabe, Hiroyuki Kawajiri, Ryohei Yozu  
*Department of Cardiovascular Surgery, Keio University, Japan*
- P-141** Long-Term Outcome after Aortic Valve Replacement for Chronic Severe Aortic Regurgitation with Left Ventricular Dysfunction  
[Makoto Miyake](#)<sup>1</sup>, Chisato Izumi<sup>1</sup>, Shuichi Takahashi<sup>2</sup>, Sumiyo Hashiwada<sup>2</sup>, Kazuya Yamao<sup>1</sup>, Kouji Hanazawa<sup>1</sup>, Jirou Sakamoto<sup>1</sup>, Kazuyasu Yoshitani<sup>1</sup>, Makoto Motooka<sup>1</sup>, Kazuaki Kaitani<sup>1</sup>, Toshiaki Izumi<sup>1</sup>, Yoshihisa Nakagawa<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Tenri Hospital, Japan*  
<sup>2</sup> *Department of Clinicopathology, Tenri Hospital, Japan*

### Special Lecture

RoomA

#### 9:25-9:50 Special Lecture-3

**Chairpersons:** Anil Kumar (*Bombay Hospital & Medical Research Centre, India*)  
Tsuneaki Sugimoto (*Japan Heart Foundation, Japan*)

- SL3** A New Strategy for the Management of Atrial Fibrillation  
**Satoshi Ogawa** (*Keio University School of Medicine, Japan*)

### Special Lecture

RoomA

#### 9:50-10:15 Special Lecture-4 (Co-sponsored by Bayer Health Care AG)

**Chairpersons:** Chuichi Kawai (*Kyoto University / Takeda General Hospital, Japan*)  
Shahryar A. Sheikh (*World Heart Federation, Pakistan*)

- SL4** Global Alert and Response Network for Hepatitis C Virus-Derived Heart Diseases  
**Akira Matsumori** (*Kyoto University Graduate School of Medicine, Japan*)

### Joint Session-2

RoomA

#### 10:20-11:50 APSC-WHF Joint Session: Go Red for Women

**Chairpersons:** Keiko Amano (*Chiba Prefectural Institute of Public Health, Japan*)  
Marilyn Hunn (*World Heart Federation, Switzerland*)  
Mitsuhiro Yokoyama (*Hyogo Prefectural Awaji Hospital, Japan*)

- JS2-1** Adapting the "Go Red for Women" to Japan  
**Keiko Amano** (*Chiba Prefectural Institute of Public Health, Japan*)
- JS2-2** Risk Factors and Clinical Presentation of CHD in Women  
**Mónica Acevedo** (*Pontificia Universidad Católica de Chile, Chile*)
- JS2-3** The Myth about Cardiovascular Disease as a Male Disease and Its Consequences for Women's Hearts  
**Susanne Volqvartz** (*Danish Heart Foundation, Denmark*)

### Special Lecture

RoomA

#### 13:40-14:05 Special Lecture-5

**Chairpersons:** Shahryar A. Sheikh (*World Heart Federation, Pakistan*)  
Junichi Yoshikawa (*Osaka Hospital of Japan Seafarers Relief Association, Japan*)

- SL5** Severe Asymptomatic Valvular Regurgitation: Choosing the Golden Moment for Operation  
**A. Jamil Tajik** (*Mayo Clinic, United States*)

### Special Lecture

RoomA

#### 14:05-14:30 Special Lecture-6

**Chairpersons:** Graeme Sloman (*Epworth Hospital / the Royal Melbourne Hospital, Australia*)  
Mitsuhiro Yokoyama (*Hyogo Prefectural Awaji Hospital, Japan*)

- SL6** State-of-the-Art : Interventional Echocardiography  
**Cheng-Wen Chiang** (*Cathay General Hospital & Taipei Medical University, Taiwan*)

**Special Lecture****RoomA****14:30-14:55 Special Lecture-7**

**Chairpersons:** Jae K. Oh (*Mayo Clinic, College of Medicine, United States*)  
Efren R Vicaldo (*Philippine Heart Center / Philippine Heart Association, Philippines*)

- SL7** Clinical Value of Coronary Flow Velocity Measurement by Transthoracic Doppler echocardiography  
**Junichi Yoshikawa** (*Osaka Hospital of Japan Seafarers Relief Association, Japan*)

**Special Lecture****RoomA****14:55-15:20 Special Lecture-8**

**Chairpersons:** Bang Hun Lee (*Hanyang University Medical Center, Korea*)  
Shigetake Sasayama (*Doshisha University, Japan*)

- SL8** Waon Therapy for Cardiovascular Disease: An Ideal Therapy for the Patients  
**Chuwa Tei** (*Kagoshima University Graduate School of Medical and Dental Sciences, Japan*)

**Symposium25****RoomA****15:30-17:00 Hypertension-1: Major challenges in getting patients to optimal BP goal**

**Chairpersons:** Hiroaki Matsuoka (*Dokkyo Medical University, Japan*)  
Zhaosu Wu (*The Beijing Institute of Heart, Lung and Blood Vessel Diseases, China*)

- S25-1** Transneural Treatment in Patients with Arterial Pressure Dysregulation  
**Kenji Sunagawa** (*Kyushu University Graduate School of Medical Sciences, Japan*)
- S25-2** Combined Strategies for Blood Pressure Lowering: the Benefits of Taking a Synergistic Approach  
**Namsik Chung** (*Yonsei University College of Medicine, Korea*)
- S25-3** Current Status of Hypertension Control in Taiwan - the Roles Played by the Academic Society and the National Health Insurance Policy  
**Chiau-Suong Liao** (*Cardiovascular Center, Buddhist Tzu Chi General Hospital / National Taiwan University Hospital, Taiwan*)
- S25-4** Optimal BP Goal in the Elderly  
**Hiromi Rakugi** (*Osaka University Graduate School of Medicine, Japan*)
- S25-5** Prevalence of Hypertension in Indonesia  
**Iwan Dakota** (*National Cardiovascular Center Harapan Kita Hospital, Indonesia*)

**Symposium3****RoomD****10:20-11:50 Heart Failure-3: Basic mechanism and new therapeutic targets in heart failure**

**Chairpersons:** Yasuchika Takeishi (*Fukushima Medical University, Japan*)  
Hitonobu Tomoike (*National Cardiovascular Center, Japan*)  
Zhiguo Wang (*Cardiovascular Research Institute, Harbin Medical University / Montreal Heart Institute, University of Montreal, Canada*)

- S3-1** miRNAs and Cardiac Arrhythmogenesis: Role in Atrial Fibrillation  
**Zhiguo Wang** (*Cardiovascular Research Institute, Harbin Medical University / Montreal Heart Institute, University of Montreal, Canada*)
- S3-2** MicroRNAs and Malignant Arrhythmias  
**Baofeng Yang** (*State-Province Key Laboratories of Biomedicine-Pharmaceutics of China, Harbin Medical University, China*)
- S3-3** Cardiomyocyte Death and Heart Failure  
**Kinya Otsu** (*Osaka University Graduate School of Medicine, Japan*)
- S3-4** Role of p53 in Heart Failure  
**Tohru Minamino** (*Chiba University Graduate School of Medicine, Japan*)

**Symposium4****RoomD****15:30-17:00 Heart Failure-4: Genomic analysis of cardiovascular diseases**

**Chairpersons:** Kewal Krishan Talwar (*Deemed University, India*)  
 Cheng-Ho Tsai (*Mackay Memorial Hospital / Taipei Medical University / Mackay Medicine, Nursing and Management College, Taiwan*)

- S4-1** Connexin and Heart Failure  
**Hung-I Yeh** (*Mackay Memorial Hospital, Taipei Medical University, Taiwan*)
- S4-2** Gene Polymorphisms in Patients with Heart Failure and Acute Coronary Syndromes  
**Vicky A. Cameron** (*Christchurch Cardioendocrine Research Group, University of Otago, New Zealand*)
- S4-3** Characteristics of Gene Profiling in Failing Myocardium  
**Masanori Asakura** (*National Cardiovascular Center, Japan*)
- S4-4** Heart Failure and  $\beta$ Blocker  
**Junichi Azuma** (*Graduate School of Pharmaceutical Sciences, Osaka University, Japan*)

**Symposium11****RoomE****10:20-11:50 Cardiac Imaging-3: Cardiovascular molecular imaging**

**Chairpersons:** Hee-Seung Bom (*Chonnam National University Medical School, Korea*)  
 Ryuji Nohara (*Kitano Hospital, Heart Center, Japan*)  
 Nagara Tamaki (*Hokkaido University Graduate School of Medicine, Japan*)

- S11-1** Coronary Stenosis vs Ischemia : MSCT and MPI for CAD Assessment  
**Terrance Chua** (*National Heart Centre, Singapore*)
- S11-2** Synergistic Value of Cardiac CT and Myocardial Perfusion Imaging & the Evolving Role of Cardiac CT  
**Avijit Lahiri** (*Clinical Imaging & Research Centre, Wellington Hospital, United Kingdom*)
- S11-3** Assessment of Coronary Endothelial Function  
**Keiichiro Yoshinaga** (*Hokkaido University Graduate School of Medicine, Japan*)
- S11-4** Cardiac Gene and Cell Therapies  
**Hee-Seung Bom** (*Chonnam National University Medical School, Korea*)

**Symposium12****RoomE****15:30-17:00 Cardiac Imaging-4: New horizon of non-invasive cardiac imaging of coronary artery disease**

**Chairpersons:** Masatoshi Fujita (*Kyoto University Graduate School of Medicine, Japan*)  
 Akira Yamashina (*Tokyo Medical University Hospital, Japan*)

- S12-1** Cardiac MRI in Acute Coronary Syndrome  
**Tae Hwan Lim** (*Asan Medical Center University of Ulsan College of Medicine, Korea*)
- S12-2** Prognostic Value of Cardiac MRI in Patients with Coronary Artery Disease  
**Hajime Sakuma** (*Mie Univeristy Hospital, Japan*)
- S12-3** New Horizon of Coronary CT Angiography  
**Masahiro Jinzaki** (*Keio University School of Medicine, Japan*)
- S12-4** Is ischemia the missing link?  
**Daniel S. Berman** (*Cedars-Sinai Medical Center/UCLA School of Medicine, United States*)

**Symposium21****Annex2****10:20-11:10 Interventional Cardiology-3: Prognosis of the patients treated with percutaneous coronary intervention**

**Chairpersons:** Hisayoshi Fujiwara (*Hyogo Prefectural Amagasaki Hospital, Japan*)  
 Yoshihisa Nakagawa (*Tenri Hospital, Japan*)  
 Richard Ng (*Mount Elizabeth Hospital, Singapore*)

- S21-1** Message from Japanese Stable Angina Pectoris (JSAP) Study: Comparison with COURAGE Trial  
**Hisayoshi Fujiwara** (*Hyogo Prefectural Amagasaki Hospital, Japan*)
- S21-2** DES (Cypher) in Diabetic Patients: the DECODE Study  
**Charles Chan** (*Gleneagles Hospital & National Heart Centre, Singapore*)

**Symposium22****Annex2****15:30-17:00 Interventional Cardiology-4: Vulnerable plaque, vulnerable patients**

**Chairpersons:** Rosli Mohd Ali (*National Heart Association of Malaysia, Malaysia*)  
 Kyoichi Mizuno (*Graduate School of Medicine, Nippon Medical School, Japan*)  
 Hisao Ogawa (*Graduate School of Medical Sciences Kumamoto University, Japan*)

- S22-1** Comparison of Coronary Plaque Rupture between Stable Angina and Acute Myocardial Infarction: A Three-Vessel Intravascular Ultrasound Study in 235 Patients.  
**Myeong-Ki Hong** (*University of Ulsan College of Medicine, Asan Medical Center, Korea*)
- S22-2** Detection and Treatment of Vulnerable Coronary Plaque Identified by Angioscopy  
**Masamichi Takano** (*Nippon Medical School, Japan*)
- S22-3** Biomarkers for Advanced Risk Stratification  
**Jaw-Wen Chen** (*National Yang-Ming University / Cardiovascular Research Center / Taipei Veterans General Hospital, Taiwan*)
- S22-4** New Intravascular Imaging Modality to Detect Vulnerable Plaque  
**Takafumi Hiro** (*Nihon University School of Medicine, Japan*)
- S22-5** Ability of Optical Coherence Tomography in the Assessment of Vulnerable Plaques  
**Takashi Akasaka** (*Wakayama Medical University, Japan*)

**Symposium16****RoomB-2****10:20-11:00 Cardiovascular Surgery-3: Surgical option for VSD with AR**

**Chairpersons:** Yutaka Okita (*Kobe University Graduate School of Medicine, Japan*)  
 Indriwanto Sakidjan (*National Cardiovascular Center Harapan Kita, Indonesia*)

- S16-1** Ventricular Septal Defect with Aortic Regurgitation - Surgical Option and Outcome -  
**Toshikatsu Yagihara** (*National Cardiovascular Center, Japan*)
- S16-2** Surgical Indication and Mid-long Term Outcome of Doubly Committed VSD with AR  
**Shunji Sano** (*Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Japan*)

**Symposium24****RoomB-2****11:10-11:50 Takotsubo Disease**

**Chairpersons:** Michiaki Hiroe (*International Medical Center of Japan, Japan*)  
Bernhard Maisch (*Philipps-University Marburg, Germany*)

**S24-1** Pathogenesis of "Panic Myocardium" Characterized by Transient Left Ventricular Asynergy in Acute Phase of Subarachnoid Hemorrhage

**Takashi Masuda** (*Kitasato University School of Allied Health Sciences, Japan*)

**S24-2** Stress-Induced Transient Left Ventricular Apical Ballooning

**Makoto Kodama** (*Niigata University Graduate School of Medical and Dental Sciences, Japan*)

**Symposium17****RoomB-2****15:30-17:00 Cardiovascular Surgery-4: Surgical treatment for heart failure**

**Chairpersons:** Marisa di Donato (*San Donato Hospital, Italy*)  
Hitoshi Yaku (*Kyoto Prefectural University of Medicine, Japan*)

**S17-1** Surgical Ventricular Restoration for Ischemic Heart Failure and STICH Trial

**Marisa di Donato** (*San Donato Hospital, Italy*)

**S17-2** Overlapping Ventriculoplasty Combined with Mitral Complex Reconstruction for Ischemic and Non-ischemic Dilated Cardiomyopathy.

**Yoshiro Matsui** (*Hokkaido University Hospital, Japan*)

**S17-3** Development of Surgical Treatment for Ischemic and Non-ischemic Dilated Cardiomyopathy (DCM).

**Tadashi Isomura** (*Hayama Heart Center, Japan*)

**S17-4** Japanese Clinical Trial Results of Next Generation LVA EVAHEART

**Kenji Yamazaki** (*Tokyo Weman's Medical University, Japan*)

# Echo Course Program

<b>Opening Remarks</b>	<b>RoomB-1</b>
<b>8:20-8:30</b>	
Hiroshi Ito ( <i>Okayama University Graduate School of Medicine, Japan</i> )	
<b>Lecture</b>	<b>RoomB-1</b>
<b>8:30-9:00</b>	<b>Diastology, 2009</b>
<b>Chairperson:</b>	Masunori Matsuzaki ( <i>Yamaguchi University Graduate School of Medicine, Japan</i> )
<b>EC1</b>	A. Jamil Tajik ( <i>Mayo Clinic, United States</i> )
<b>Live</b>	<b>RoomB-1</b>
<b>9:00-9:40</b>	<b>How to evaluate LV diastolic function in routine clinical practice (Supported by GE Yokogawa Medical Systems, Ltd.)</b>
<b>Organizer:</b>	Hiroshi Ito ( <i>Okayama University Graduate School of Medicine, Japan</i> )
<b>EC2</b>	Satoshi Yamada ( <i>Hokkaido University Graduate School of Medicine, Japan</i> )
<b>Lecture</b>	<b>RoomB-1</b>
<b>9:50-10:20</b>	<b>Assessment of myocardial viability, role of echocardiography</b>
<b>Chairperson:</b>	Tetsu Yamaguchi ( <i>Toranomon Hospital, Japan</i> )
<b>EC3</b>	Tohru Masuyama ( <i>Hyogo College of Medicine, Japan</i> )
<b>Lecture</b>	<b>RoomB-1</b>
<b>10:20-10:50</b>	<b>Mitral regurgitation, 2009</b>
<b>Chairperson:</b>	Chuwa Tei ( <i>Kagoshima University Graduate School of Medical and Dental Sciences, Japan</i> )
<b>EC4</b>	Yutaka Otsuji ( <i>University of Occupational and Environmental Health Japan School of Medicine, Japan</i> )
<b>Lecture</b>	<b>RoomB-1</b>
<b>11:00-11:30</b>	<b>Dyssynchrony, 2009</b>
<b>Chairperson:</b>	Jae K Oh ( <i>Mayo Clinic College of Medicine, United States</i> )
<b>EC5</b>	Naoki Matsuda ( <i>Tokyo Women's Medical University, Japan</i> )

## Echo Course Program

## Lecture

RoomB-1

11:30-12:00 Aortic stenosis, revisited

**Chairperson:** Kunio Miyatake (*National Hospital Organization Osaka Minami Medical Center, Japan*)EC6 Jae K Oh (*Mayo Clinic College of Medicine, United States*)

## Echo Course Special Luncheon (Luncheon Seminar9)

RoomB-1

12:00-13:00 Management of Heart Failure: Role of Echo

**Chairpersons:** Tetsu Yamaguchi (*Toranomon Hospital, Japan*)  
Junichi Yoshikawa (*Osaka Hospital of Japan Seafarers Relief Association, Japan*)LS9 A. Jamil Tajik (*Mayo Clinic, United States*)  
(Co-sponsored by Mochida Siemens Medical Systems Co., Ltd.)

## Live

RoomB-1

13:10-13:40 How to use 3D echo in clinical setting (LV volume, parametris image)  
(Supported by Philips Electronics Japan, Ltd.)**Organizer:** Hiroyuki Watanabe (*Sakakibara Heart Institute, Japan*)EC7 Katsuomi Iwakura (*Sakurabashi Watanabe Hospital, Japan*)

## Lecture

RoomB-1

13:40-14:10 Stress Echo, 2009

**Chairperson:** Namsik Chung (*Yonsei University College of Medicine, Korea*)EC8 Hiroyuki Watanabe (*Sakakibara Heart Institute, Japan*)

## Live

RoomB-1

14:10-14:40 How to evaluate torsion in clinical setting  
(Supported by Mochida Siemens Medical Systems Co., Ltd.)**Organizer:** Satoshi Nakatani (*Osaka University Graduate School of Medicine, Japan*)EC9 Kazuya Murata (*Yamaguchi University Hospital, Japan*)

## Lecture

RoomB-1

14:40-15:10 3D echo, update

**Chairperson:** Shintaro Beppu (*Osaka University Graduate School of Medicine, Japan*)EC10 Kiyoshi Yoshida (*Kawasaki Medical School, Japan*)

# Echo Course Program

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<b>Live</b>		<b>RoomB-1</b>
<b>15:30-16:00</b>	<b>How to record and evaluate strain with 2D speckle tracking (Supported by Toshiba Medical Systems Corporation)</b>	
	<b>Organizer:</b> Yutaka Otsuji ( <i>University of Occupational and Environmental Health, School of Medicine, Japan</i> )	
<b>EC11</b>	Katsuhisa Ishii ( <i>Kansai Electric Power Hospital, Japan</i> )	
<b>Lecture</b>		<b>RoomB-1</b>
<b>16:00-16:30</b>	<b>Myocardial mechanics, 2009</b>	
	<b>Chairperson:</b> Satoshi Nakatani ( <i>Osaka University Graduate School of Medicine, Japan</i> )	
<b>EC12</b>	Kazuaki Tanabe ( <i>Shimane University Faculty of Medicine, Fourth Department of Internal Medicine, Japan</i> )	
<b>Lecture</b>		<b>RoomB-1</b>
<b>16:30-17:00</b>	<b>Coronary flow, revisited</b>	
	<b>Chairperson:</b> Junichi Yoshikawa ( <i>Osaka Hospital of Japan Seafarers Relief Association, Japan</i> )	
<b>EC13</b>	Takeshi Hozumi ( <i>Osaka City University Graduate School of Medicine, Japan</i> )	
<b>Live</b>		<b>RoomB-1</b>
<b>17:00-17:30</b>	<b>How to record LAD flow (Supported by Aloka Co., Ltd.)</b>	
	<b>Organizer:</b> Takeshi Hozumi ( <i>Osaka City University Graduate School of Medicine, Japan</i> )	
<b>EC14</b>	Yukio Abe ( <i>Osaka City General Hospital, Japan</i> )	
<b>Lecture</b>		<b>RoomB-1</b>
<b>17:30-18:00</b>	<b>Contrast Echo, 2009</b>	
	<b>Chairperson:</b> Junichi Yoshikawa ( <i>Osaka Hospital of Japan Seafarers Relief Association, Japan</i> )	
<b>EC15</b>	Hiroshi Ito ( <i>Okayama University Graduate School of Medicine, Japan</i> )	
<b>Closing remarks</b>		
<b>18:00-18:10</b>		
	Junichi Yoshikawa ( <i>Osaka Hospital of Japan Seafarers Relief Association, Japan</i> )	

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**Luncheon Seminar5****RoomA****12:00-13:00 ARB of Choice in the Cardiovascular Continuum - Clinical Evidence from Europe & Japan -****Chairperson:** Masunori Matsuzaki (*Yamaguchi University Graduate School of Medicine, Japan*)**LS5-1** New Japanese Evidence of Hypertension: -Lessons from CASE-J & HIJ-CREATE-  
**Hiromi Rakugi** (*Osaka University Graduate School of Medicine, Japan*)**LS5-2** The Prospective Role of ARBs in Patients with Cardiovascular Disorders  
**Aldo Pietro Maggioni** (*ANMCO Research Center, Italy*)

(Co-sponsored by Takeda Pharmaceutical Company Limited)

**Luncheon Seminar6****RoomD****12:00-13:00 Re - considering the use of diuretic in patients with chronic heart failure  
Why we started to promote multicenter trials of diuretics, J - MELODIC.****Chairperson:** Tohru Masuyama (*Hyogo College of Medicine, Japan*)**LS6** Takeshi Tsujino (*Hyogo College of Medicine, Japan*)

(Co-sponsored by Sanwa Kagaku Kenkyusho Co., Ltd.)

**Luncheon Seminar7****RoomE****12:00-13:00 Blood pressure lowering for the cardiovascular protection****Chairperson:** Kiyoshi Yoshida (*Kawasaki Medical School, Japan*)**LS7** Jitsuo Higaki (*Ehime University Graduate School of Medicine, Japan*)

(Co-sponsored by Shionogi &amp; Co.,Ltd.)

**Luncheon Seminar8****Annex2****12:00-13:00 Echocardiography in Pericardial Diseases****Chairperson:** Satoshi Nakatani (*Osaka University Graduate School of Medicine, Japan*)**LS8** Dae-Won Sohn (*Seoul National University College of Medicine, Korea*)

(Co-sponsored by Aloka Co., Ltd.)

**Luncheon Seminar9 (Echo Course Special Luncheon)****RoomB-1****12:00-13:00 Management of Heart Failure: Role of Echo****Chairpersons:** Tetsu Yamaguchi (*Cardiovascular Center, Toranomon Hospital, Japan*)  
Junichi Yoshikawa (*Osaka Hospital of Japan Seafarers relief Association, Japan*)**LS9** A. Jamil Tajik (*Mayo Clinic, United States*)

(Co-sponsored by Mochida Siemens Medical Systems Co.,Ltd)

**Luncheon Seminar10****RoomB-2****12:00-13:00 New concept of acute heart failure: its pathophysiology and treatment****Chairperson:** Yoshiki Yui (*Graduate School of Medicine, Kyoto University, Japan*)**LS10-1** Clinical profile in patients with acute heart failure syndromes - Preliminary report from ATTEND registry -  
**Naoki Sato** (*Nippon Medical School, Japan*)**LS10-2** Therapeutic strategy based on a clinical classification of acute heart failure**Yoshio Yasumura** (*National Hospital Organization Osaka National Hospital, Japan*)

(Co-sponsored by Janssen Pharmaceutical K.K.)

**Satellite Seminar1****RoomA****18:20-19:20 How does the left ventricle work? Apical Rotation as an Index of global contractility****Chairperson:** Takashi Akasaka (*Wakayama Medical University, Japan*)**STS1** Jae-Kwan Song (*Asan Medical Center, University of Ulsan College of Medicine, Korea*)

(Co-sponsored by GE Yokogawa Medical Systems, Ltd.)

**Satellite Seminar2****RoomD****18:20-19:20 Topics of Asian Cardiovascular Researches****Chairperson:** Tohru Izumi (*Kitasato University School of Medicine, Japan*)**STS2-1** Molecular mechanism and new therapy for heart failure**Issei Komuro** (*Department of Cardiovascular Science and Medicine Chiba University Graduate School of Medicine,  
Department of Cardiovascular Medicine Osaka University Graduate School of Medicine, Japan*)**STS2-2** Hypertension and Treatment in China: Past, Present and Future**Dayi Hu** (*Peking University's People's Hospital, China*)

(Co-sponsored by Daiichi Sankyo Co., Ltd)

**Satellite Seminar3****RoomE****18:20-19:20 New concept of pharmacological treatment of Atrial fibrillation****Chairperson:** Yoshifusa Aizawa (*Niigata University Graduate School of Medical and Dental Sciences,  
Japan*)**STS3-1** Pharmacological therapy for restoration and maintenance of sinus rhythm in patients with atrial fibrillation  
-upstream and downstream approach-**Yuji Okuyama** (*Osaka General Medical Center, Japan*)**STS3-2** Early Self Control Anticoagulation Trial (ESCAT) Japan Multicenter Study - Preliminary Result**Kazutomo Minami** (*Nihon University School of Medicine, Japan / Bochum University, Germany*)

(Co-sponsored by Eisai Co.,Ltd)

**Satellite Seminar4****RoomB-2****18:20-19:20 Fabry cardiomyopathy: Importance of early diagnosis and treatment****Chairperson:** Shin-ichiro Morimoto (*Fujita Health University School of Medicine, Japan*)**STS4** Toshihiro Takenaka (*Kagoshima University, Japan*)

(Co-sponsored by Genzyme Japan K.K.)

## 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 Cells  
Ming-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 Disease  
Hiromichi 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 Repair  
Liping 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 Cells  
Takayoshi 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 VSMCs  
Wai-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>, Shioito 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 Kiyonagi, 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 DegradationIda Susilawati<sup>1</sup>, Djangan 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 SubjectsKuang-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 TaiwanChien-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 PlaqueYan 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 BeijingYan 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 AsiaTabish 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 Tantrarongroj<sup>2</sup>, P Porapakkhram<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>, Houman 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>

<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-295** Hyperuricemia in Congenital Heart Diseases

Reza Miri<sup>1</sup>, Ali Akbar Shah Mohammadi<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

## WHF Presidents Session

RoomA

### 9:00-10:15 WHF Presidents Session 2

**Chairpersons:** Chuichi Kawai (*Kyoto University / Takeda General Hospital, Japan*)  
 Prasart Laothavorn (*The Heart Association of Thailand, Thailand*)  
 Ryoza Nagai (*University of Tokyo Graduate School of Medicine, Japan*)

**WHF2-1** Diastolic Heart Failure; A Medical Creation or Management Program

**Philip Poole-Wilson** (*Imperial College London, United Kingdom*)

**WHF2-2** Herbal Prescription for Cardio-vascular Health

**Tak-Fu Tse** (*University of Hong Kong, Hong Kong*)

**WHF2-3** Aging & Cardiovascular Disease in Asia

**David T Kelly** (*World Heart Federation, Australia*)

## Symposium27

RoomA

### 10:20-11:50 Clinical Trials in Asia

**Chairpersons:** Dayi Hu (*People's Hospital, Peking University, China*)  
 Tohru Izumi (*Kitasato University, School of Medicine, Japan*)  
 Jae-Hyung Kim (*St. Paul Hospital Catholic University, Korea*)

**S27-1** Challenge from Japan to Asian Clinical Trials

**Yuji Kumagai** (*Kitasato University East Hospital, Japan*)

**S27-2** Changing Trends of Clinical Trials in Korea after ICH

**Sang-Goo Shin** (*Seoul National University Hospital, Korea*)

**S27-3** Additional Statement: Internationalization of Clinical Research

**Leon Bax** (*Kitasato Clinical Research Center, Japan / Utrecht University, Netherlands*)

## Symposium23

RoomA

### 13:20-14:50 Interventional Cardiology-5: New technology for vulnerable plaque

**Chairpersons:** Koichi Node (*Saga University, Faculty of Medicine, Japan*)  
 Masakazu Yamagishi (*Kanazawa University Graduate School of Medicine, Japan*)

**S23-1** New Technology for Valnerable Plaque: Utility of Coronary Plaque Temperature Measurement

**Shuichi Hamasaki** (*Graduate School of Medicine, Kagoshima University, Japan*)

**S23-2** Statin Treatment for Vulnerable Plaque

**Myeong-Ki Hong** (*University of Ulsan College of Medicine, Asan Medical Center, Korea*)

**S23-3** Evaluation of Vulnerable Plaque by Multislice Computed Tomography Coronary Angiography and Optical Coherence Tomography

**Buxing Chen** (*Beijing Electric Power Hospital, China*)

**S23-4** Optical Coherence Tomography for Vulnerable Plaque

**Atsushi Tanaka** (*Wakayama Medical University, Japan*)

## Special Lecture

RoomA

### 15:00-15:30 Special Lecture-9

**Chairpersons:** Tohru Izumi (*Kitasato University, School of Medicine, Japan*)  
 Myoung-Mook Lee (*Dongguk University International Hospital, Korea*)

**SL9** Management of the Patient with an "ICD Storm"

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

**Symposium5****RoomD****10:20-11:50 Heart Failure-5: Recent progress in the pharmacological treatment of heart failure**

**Chairpersons:** Haque Sirajul K. M. H. S. (*Bangabandhu Sheikh Mujib Medical University, Bangladesh*)  
 Masatsugu Hori (*Osaka Medical Center for Cancer and Cardiovascular Diseases, Japan*)  
 Robaayah Zambahari (*National Heart Association of Malaysia, Malaysia*)

- S5-1** What's New with Beta-Blockers  
**Henry Krum** (*Monash University, Australia*)
- S5-2** Recent Progress in the Pharmacological Treatment of Heart Failure: Role of Angiotensin Receptor Blockers  
**Jeffrey Wing Hong Fung** (*Prince of Wales Hospital / The Chinese University of Hong Kong, Hong Kong*)
- S5-3** Natrecor® (Nesiritide; Recombinant Human BNP) in Acute Decompensated Heart Failure  
**Dong-Ju Choi** (*Bungdang Seoul National University Hospital, Korea*)
- S5-4** Correction of Defective Ca<sup>2+</sup> Cycling as a New Therapeutic Strategy Against Heart Failure  
**Masunori Matsuzaki** (*Yamaguchi University Graduate School of Medicine, Japan*)

**Joint Session-3****RoomD****13:20-14:50 APSC-JCS Joint Session: Sleep disordered breathing and cardiovascular disease**

**Chairpersons:** Toshiji Iwasaka (*Kansai Medical University, Japan*)  
 Shin-ichi Momomura (*Saitama Medical Center, Jichi Medical University, Japan*)  
 Bambang Budi Siswanto (*Indonesian Heart Association, Indonesia*)

- JS3-1** Who to Treat? How to Treat? Sleep Disordered Breathing in cardiovascular Disease in Japan  
**Koji Narui** (*Toranomon Hospital, Japan*)
- JS3-2** Obstructive Sleep Apnea and Endothelial Dysfunction  
**Mary Ip Sau-man** (*The University of Hong Kong / Queen Mary Hospital, Hong Kong*)
- JS3-3** Obstructive Sleep Apnea and Metabolic Syndrome  
**Kazuo Chin** (*Kyoto University Graduate School of Medicine, Japan*)
- JS3-4** Pathogenesis and Treatment of Sleep Apnoea in Heart Failure  
**Matthew Naughton** (*Alfred Hospital and Monash University, Australia*)
- JS3-5** Sleep Disordered Breathing in Heart Failure Patients  
**Takatoshi Kasai** (*Sleep Center, Toranomon Hospital, Japan*)

**Symposium6****RoomD****15:00-16:30 Heart Failure-6: The role of cardiac remodeling in cardiac hypertrophy and heart failure?**

**Chairpersons:** Soon-Pyo Hong (*Chosun University / Chosun University Hospital, Korea*)  
 Hany Negm (*Cardiology Unit Research Institute of Ophthalmology, Egypt*)  
 Satish K. Parashar (*Metro Hospitals & Heart Institute, India*)

- S6-1** The Role of Endothelial Progenitor Cells in Atherosclerosis and Cardiovascular Diseases  
**Shing-Jong Lin** (*Taipei Veterans General Hospital / National Yang-Ming University, Taiwan*)
- S6-2** Antifibrotic Strategies in the Treatment of Cardiac Hypertrophy and Heart Failure  
**Henry Krum** (*Monash University, Australia*)
- S6-3** Remodeling Process after Acute Myocardial Infarction and Its Pathophysiologic Mechanisms  
**Byung-Hee Oh** (*Seoul National University College of Medicine, Korea*)
- S6-4** The Role of Chromatin Modification of Fetal Gene Program in Heart Failure  
**Seiji Takashima** (*Osaka University Graduate School of Medicine, Japan*)
- S6-5** Reverse Remodeling in Heart Failure: from Drugs to Device Therapy  
**Cheuk-Man Yu** (*Prince of Wales Hospital / The Chinese University of Hong Kong, Hong Kong*)

**Symposium26****RoomE****10:20-11:50 Hypertension-2: Metabolic syndrome and hypertension**

**Chairpersons:** Namsik Chung (*Yonsei University College of Medicine, Korea*)  
 P. C. Manoria (*Monoria Heart Care Centre, India*)  
 Kazuaki Shimamoto (*Sapporo Medical University, Japan*)

- S26-1** Metabolic Syndrome and Risk Prediction in Health Data Study  
**Ming-Fong Chen** (*National Taiwan University Hospital, Taiwan*)
- S26-2** Vascular Aging and Hypertension in Metabolic Syndrome  
**Jeong Bae Park** (*Cheil General Hospital / Kwandong University, Korea*)
- S26-3** Epidemiological Aspects of Metabolic Syndrome and Hypertension in Japan  
**Shigeyuki Saitoh** (*Sapporo Medical University School of Medicine, Japan*)
- S26-4** Treatment of Hypertension in Metabolic Syndrome  
**Kazuyuki Shimada** (*Jichi Medical University, Japan*)
- S26-5** Cardiovascular Disease Epidemiology and Prevention in China  
**Zhaosu Wu** (*Beijing Anzhen Hospital, China*)

**Symposium28****RoomE****13:20-14:50 Pediatric Cardiology-1: Diagnosis and management of cardiac failure in adults with congenital heart disease**

**Chairpersons:** Heung Jae Lee (*Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea*)  
 Makoto Nakazawa (*Tokyo Women's Medical University / Southern Tohoku General Hospital, Japan*)  
 Anna Ulfah Rahajoe (*Indonesian Heart Association, Indonesia*)

- S28-1** Pathophysiology and Clinical Presentation  
**Koichiro Niwa** (*Chiba Cardiovascular Center, Japan*)
- S28-2** Heart Failure in Adults with Congenital Heart Disease: Defining the Problem  
**Daniel Murphy** (*Stanford University, United States*)
- S28-3** Management of Late RV Failure from Un-operated Congenital Heart Disease in Adults with Pulmonary Arterial Hypertension  
**Kritvikrom Durongpisitkul** (*Siriraj Hospital / Mahidol University, Thailand*)
- S28-4** MRI Assessment of Biventricular Function and Pulmonary Regurgitation in Patients with Tetralogy of Fallot after Surgical Treatment  
**Yeon Hyeon Choe** (*Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea*)

## Symposium36

RoomE

## 15:00-16:30 Cardiac Rehabilitation: Cardiac rehabilitation in the Asian and Pacific regions

**Chairpersons:** Fu-Tien Chiang (*National Taiwan University Hospital, Taiwan*)  
 Hiroyuki Daida (*Juntendo University School of Medicine, Japan*)  
 Antonio S. Sibulo (*St. Lukés Heart Institute, Philippines*)

- S36-1** Use of Cardiac Rehabilitation in Japan: Current Status and Future Perspective  
**Yoichi Goto** (*National Cardiovascular Center, Japan*)
- S36-2** Use of Cardiac Rehabilitation in Hong Kong? Barriers to Participation in a Phase II Cardiac Rehabilitation Program  
**Mak Yee Man Winsome** (*United Christian Hospital, Hong Kong*)
- S36-3** Cardiac Rehabilitation in Indonesia  
**Basuni Radi** (*Harapan Kita, National Cardiovascular Center, Indonesia*)
- S36-4** Outpatient Cardiac Rehabilitation in Australia  
**Ian Scott** (*University of Queensland, Australia*)
- S36-5** Cardiac Rehabilitation in Malaysia  
**Aizai Azan Rahim** (*National Heart Institute, Malaysia*)

## Symposium13

Annex2

## 10:20-11:50 Cardiac Imaging-5: Pathophysiology of mitral and tricuspid valve disease: Progress in the evaluation by echocardiography

**Chairpersons:** Yutaka Otsuji (*University of Occupational and Environmental Health, School of Medicine, Japan*)  
 Dae-Won Sohn (*Seoul National University, College of Medicine, Korea*)  
 Kazuaki Tanabe (*Shimane University Faculty of Medicine, Japan*)

- S13-1** Real-time 3-D Transesophageal Echocardiographic Assessment of Mitral Valve Disease  
**Kenichi Nakashiki** (*Graduate School of Medicine, Kagoshima University, Japan*)
- S13-2** Natural History of Mitral Value Prolapse: New Problems and Controversies  
**Lieng H. Ling** (*National University of Singapore, Singapore*)
- S13-3** Progression of Isolated Tricuspid Regurgitation Late after Left-sided Valve Surgery  
**Chisato Izumi** (*Tenri Hospital, Japan*)
- S13-4** Erqonovine Echocardiography for Noninvasive Diagnosis of Coronary Vasospasm  
**Jae-Kwan Song** (*Asan Medical Center, University of Ulsan College of Medicine, Korea*)

## Symposium30

Annex2

## 13:20-14:50 Arrhythmia-1: Atrial fibrillation: Basic to bedside, bedside to basic

**Chairpersons:** Maria Belen O. Carisma (*Philippine Heart Center, Philippines*)  
 Shih-Ann Chen (*Taipei Veterans General Hospital, Taiwan*)  
 Minoru Horie (*Shiga University of Medical Science, Japan*)

- S30-1** Clinical Evidence in Japan : J-RHYTHM Study  
**Takeshi Yamashita** (*The Cardiovascular Institute, Japan*)
- S30-2** Gap Junction, Atrial Fibrillation and Arrhythmia  
**Cun-tai Zhang** (*Tongji Hospital / Tongji Medical College, China*)
- S30-3** Role of Three Dimensional Images in Management of Atrial Fibrillation  
**Hsuan-Ming Tsao** (*National Yang Ming University Hospital, Taiwan*)
- S30-4** Validation of AF Ablations Efficiency  
**Makoto Ito** (*Shiga University of Medical Science, Japan*)

**Symposium31****Annex2****15:00-16:30 Arrhythmia-2: Atrial fibrillation in heart failure**

**Chairpersons:** Yoshifusa Aizawa (*Niigata University Graduate School of Medical and Dental Sciences, Japan*)  
 Won Ro Lee (*Inje University Ilsan Paik Hospital, Korea*)  
 Sunarya Soerianata (*National Cardiovascular Centre, Indonesia*)

- S31-1** Blockade of Aldosterone Receptors Prevents Atrial Structural and Electrical Remodeling in Rats with Hypertension by Chronic Nitric Oxide Inhibition  
**Tetsuo Minamino** (*Osaka University Graduate School of Medicine, Japan*)
- S31-2** Ablation Therapy of Atrial Fibrillation in Heart Failure  
**Koichiro Kumagai** (*International University of Health and Welfare, Japan*)
- S31-3** Atrial Remodeling in Heart Failure  
**Shih-Ann Chen** (*Taipei Veterans General Hospital, Taiwan*)

**Symposium18****RoomB-1****10:20-11:50 Cardiovascular Surgery-5: Valve surgery in children**

**Chairpersons:** Shunji Sano (*Okayama University Graduate School of Medicine and Dentistry, Japan*)  
 Ludgerio D. Torres (*Philippine Heart Center, Philippines*)

- S18-1** A New Reconstructive Operation for the Tricuspid Valve of Ebstein's Anomaly  
**Jinfen Liu** (*Shanghai Children's Medical Center / Shanghai Jiaotong School of Medicine, China*)
- S18-2** Aortic Valve Repair in Pediatric Age; SNUCH Experience  
**Yong Jin Kim** (*Seoul National University Children's Hospital, Korea*)
- S18-3** Mitral Valve Repair in Young Children  
**Nguyen Van Phan** (*Heart Institute, Vietnam*)
- S18-4** Should the Ross Procedure be Performed for All Non-repairable Aortic Valve Disease?  
**Zohair Al Halees** (*King Faisal Specialist Hospital and Research Center, Saudi Arabia*)

**Symposium34****RoomB-1****13:20-14:50 Preventive Cardiology-1: Emerging risk of DM for CVD in the Asian Pacific region**

**Chairpersons:** M. R. Pandey (*Cardiac Society of Nepal / Mrigendra Samjhana Medical Trust, Nepal*)  
 Hirotsugu Ueshima (*Shiga University of Medical Science, Japan*)  
 Dong Zhao (*Beijing Institute of Heart, Lung & Blood Vessel Diseases, Capital Medical University Beijing Anzhen Hospital, China*)

- S34-1** Risk of Diabetes Mellitus for Cardiovascular Diseases in China  
**Dongfeng Gu** (*Cardiovascular Institute and Fu Wai Hospital / Chinese Academy of Medical Sciences & Peking Union Medical College, China*)
- S34-2** DM Risk for Cardiovascular Mortality in Kinmen Study, Taiwan  
**Chen-Huan Chen** (*National Yang-Ming University, Taipei Veterans General Hospital, Taiwan*)
- S34-3** Diabetes as Risk Factor for Cardiovascular Diseases in India  
**Rajeev Gupta** (*Fortis Escorts Hospital / Mahatma Gandhi Medical College, India*)
- S34-4** Emerging Risk of Diabetes Mellitus for CVD in the Asia-Pacific Region  
**Chee Eng Tan** (*Gleneagles Medical Centre, Singapore*)

**Symposium37****RoomB-1****15:00-15:55 Endovascular Therapeutics-1: Coronary artery spasm: A possible common disorder in Asian Pacific populations**

**Chairpersons:** Sang Hong Baek (*KangNam St. Mary's Hospital, The Catholic University of Korea, Korea*)  
Masataka Sata (*The University of Tokushima Graduate School, Japan*)

- S37-1** Prevalence and Current Practice of Vasospastic Angina in Korea  
**Sang Hong Baek** (*The Catholic University of Korea, Korea*)
- S37-2** Possible Mechanisms between Inflammation and Coronary Spasm  
**Ming-Jui Hung** (*Chang Gung Memorial Hospital at Keelung, Taiwan*)
- S37-3** Prevalence and Current Practice of Vasospastic Angina in Japan  
**Satoshi Yasuda** (*Tohoku University Graduate School of Medicine, Japan*)

**Symposium38****RoomB-1****15:55-16:50 Endovascular Therapeutics-2: New diagnosis and therapy of vascular diseases**

**Chairpersons:** Toshio Shimada (*Former Head of Cardiovascular Medicine, Shimane University, Japan*)  
Ji-Guang Wang (*Shanghai Institute of Hypertension, China*)

- S38-1** Identifying Early Disease to Target Candidates for Treatment  
**Daniel Duprez** (*University of Minnesota, United States*)
- S38-2** Waon Therapy for Peripheral Arterial Disease  
**Masaaki Miyata** (*Graduate School of Medicine, Kagoshima University, Japan*)
- S38-3** Prognostic Impact of Peripheral Endothelial Function in Heart Failure  
**Yutaka Ishibashi** (*Shimane University Faculty of Medicine, Japan*)

**Luncheon Seminar11****RoomA****12:00-13:00 Reducing cardio & vascular risk: New insight from the largest ARB clinical trials****Chairperson:** Chuwa Tei (*Graduate School of Medicine, Kagoshima University, Japan*)**LS11-1** Beyond Blood Pressure Lowering: Which ARBs Prevent Diabetes and CV Disease in High Risk Patients ?**Theodore W. Kurtz** (*University of California at San Francisco, United States*)**LS11-2** ONTARGET® and TRANSCEND®: its implications**Kazuaki Shimamoto** (*Sapporo Medical University School of Medicine, Japan*)

(Co-sponsored by Nippon Boehringer Ingelheim Co., Ltd. / Astellas Pharma Inc.)

**Luncheon Seminar12****RoomD****12:00-13:00 Vascular protective effects of amlodipine and atorvastatin****Chairperson:** Masunori Matsuzaki (*Yamaguchi University Graduate School of Medicine, Japan*)**LS12** Jay N. Cohn (*University of Minnesota Medical School, United States*)

(Co-sponsored by Pfizer Japan Inc.)

**Luncheon Seminar13****RoomE****12:00-13:00 The Clinical Impact of Biomarkers in Cardiovascular Medicine : The Spectrum of Disease****Chairperson:** Toru Suzuki (*Graduate School of Medicine, The University of Tokyo, Japan*)**LS13-1** Biomarkers for acute assessment of heart failure and kidney injury**Alan S. Maisel** (*University of California at San Diego, United States*)**LS13-2** Diagnosis to prognosis : The role of biomarkers for acute coronary syndromes from Emergency Medicine into the community**Mark Richards** (*University of Otago, New Zealand*)

(Co-sponsored by Inverness Medical Japan Co., Ltd.)

**Luncheon Seminar14****Annex2****12:00-13:00 Clinical utility of NT-proBNP for heart failure****Chairperson:** Jong-Won Ha (*Yonsei University College of Medicine, Korea*)**LS14** Myoung-Mook Lee (*Dongguk University International Hospital, Korea*)

(Co-sponsored by Ortho-Clinical Diagnostics K.K. / Siemens Healthcare Diagnostics Inc. / Roche Diagnostics K.K.)

## 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 Abbasi<sup>1</sup>, Saeed Sadeghian<sup>2</sup>, Ali Abbasi<sup>1</sup>, Mohammad Alidoosti<sup>2</sup>, Ebrahim Nematipoor<sup>2</sup>, Mohammad Ali Boroumand<sup>3</sup>, Abbas Ali Karimi<sup>4</sup>, Seyed Hesameddin Abbasi<sup>1</sup>, Elham Ameli<sup>5</sup>  
<sup>1</sup> *Department of Cardiovascular Research, Department of Cardiology, Tehran University of Medical Sciences, Iran*  
<sup>2</sup> *Department of Cardiology, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*  
<sup>3</sup> *Department of Medical Laboratory, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*  
<sup>4</sup> *Department of Cardiac Surgery, Tehran Heart Centre, Tehran University of Medical Sciences, Iran*  
<sup>5</sup> *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 Le<sup>1</sup>, Ru-San Tan<sup>2</sup>, Mahendra Achyut Kare<sup>2</sup>, Fang Yee Chee<sup>2</sup>, Nu Wai Sann<sup>2</sup>  
<sup>1</sup> *Research and Development Unit, National Heart Centre, Singapore*  
<sup>2</sup> *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 Koh<sup>1</sup>, Yee Jim Loh<sup>2</sup>, Yeong Phang Lim<sup>2</sup>, Ju Le Tan<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, National Heart Centre, Singapore*  
<sup>2</sup> *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 Raufi<sup>1</sup>, Muaz Urabi<sup>1</sup>, Muhammad Asad Ali<sup>1</sup>, Muhammad Adnan Raufi<sup>2</sup>  
<sup>1</sup> Internal Medicine, Detroit Medical Center/ Wayne State University, United States  
<sup>2</sup> 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 Katashima<sup>1</sup>, Fumio Terasaki<sup>1</sup>, Masatoshi Fujita<sup>2</sup>, Kaoru Otsuka<sup>1</sup>, Shougo Murakami<sup>1</sup>, Yumiko Kanzaki<sup>1</sup>, Shuichi Fujita<sup>1</sup>, Shoichi Miyamoto<sup>3</sup>, Michiaki Hiroe<sup>4</sup>, Takahiko Naruko<sup>5</sup>, Yoshihiro Ikura<sup>6</sup>, Makiko Ueda<sup>6</sup>, Masaki Ikemoto<sup>2</sup>, Yasushi Kitaura<sup>1</sup>  
<sup>1</sup> Third Department of Internal Medicine, Osaka Medical College, Japan  
<sup>2</sup> Human Health Sciences, Kyoto University Graduate School of Medicine, Japan  
<sup>3</sup> Division of Cardiology, Kitano Hospital, Tadukekofukai Medical Research Institute, Japan  
<sup>4</sup> Department of Cardiology, International Medical Center of Japan, Japan  
<sup>5</sup> Department of Cardiology, Osaka City General Hospital, Japan  
<sup>6</sup> 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 Lin<sup>1</sup>, Pao-Hsien Chu<sup>2</sup>  
<sup>1</sup> Department of Internal Medicine/ Health Promotion Center, Taoyuan Branch, Chang Gung Memorial Hospital, Taiwan  
<sup>2</sup> 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 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-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 Fukuda<sup>1</sup>, Taketeru Maegawa<sup>2</sup>, Akihiro Matsumoto<sup>3</sup>, Yutaka Komatsu<sup>2</sup>, Toshiaki Nakajima<sup>1</sup>, Ryoza Nagai<sup>1</sup>, Takashi Kawahara<sup>2</sup>  
<sup>1</sup> Cardiovascular Department of Internal Medicine, University of Tokyo, Japan  
<sup>2</sup> Japan Institute of Sports Sciences, Japan  
<sup>3</sup> Japan Women's College of Physical Education, Japan
- P-318** Mechanisms of the Attenuated Cardiac Output Response during Exercise in Cardiac Patients  
Taira Fukuda<sup>1</sup>, Akihiro Matsumoto<sup>2</sup>, Miwa Kurano-Meguro<sup>1</sup>, Haruhito Takano<sup>1</sup>, Haruko Iida<sup>1</sup>, Taketeru Maegawa<sup>3</sup>, Yutaka Komatsu<sup>3</sup>, Takashi Kawahara<sup>3</sup>, Yasunobu Hirata<sup>1</sup>, Ryoza Nagai<sup>1</sup>, Toshiaki Nakajima<sup>1</sup>  
<sup>1</sup> Cardiovascular Department of Internal Medicine, University of Tokyo, Japan  
<sup>2</sup> Japan Women's College of Physical Education, Japan  
<sup>3</sup> 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 Ruiter  
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](#)<sup>1</sup>, Solen Himmetoglu<sup>2</sup>, Huriye Balci<sup>3</sup>, Betul Cengiz<sup>1</sup>, Erhan E Babalik<sup>4</sup>  
<sup>1</sup> Department of Cardiology, Istanbul University, Cerrahpasa Faculty of Medicine, Turkey  
<sup>2</sup> Department of Biochemistry, Istanbul University, Cerrahpasa Faculty of Medicine, Turkey  
<sup>3</sup> Fikret Biyal Central Research Laboratory, Istanbul University, Cerrahpasa Faculty of Medicine, Turkey  
<sup>4</sup> Department of Cardiology, Istanbul Memorial Hospital, Turkey
- P-324** Low Use of Secondary Prevention Therapies in India  
[Rajeev Gupta](#)<sup>1</sup>, Krishan K Sharma<sup>1</sup>, Aachu Agrawal<sup>2</sup>, Sanjeeb Roy<sup>1</sup>, Atul Kasliwal<sup>1</sup>, Jitender S Makkar<sup>1</sup>, Ajeet Bana<sup>1</sup>, Ravindra K Tongia<sup>1</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
- 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](#)<sup>1</sup>, Jack Amana<sup>1</sup>, Nakapi Tefuarani<sup>2</sup>, James Wagiebu<sup>2</sup>, Isi Henao Kevau<sup>2</sup>  
<sup>1</sup> Department of Internal Medicine, School of Medicine and Health Sciences, University of Papua New Guinea, Papua New Guinea  
<sup>2</sup> 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](#)<sup>1</sup>, Ta-Chen Su<sup>1</sup>, Yuan-Teh Lee<sup>1</sup>, Shih-Shin Chio<sup>2</sup>, Chiau-Suong Liao<sup>1</sup>, Ming-Fong Chen<sup>1</sup>  
<sup>1</sup> Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taiwan  
<sup>2</sup> 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](#)<sup>1</sup>, Ta-Chen Su<sup>1</sup>, Kuo-Liong Chien<sup>1</sup>, Fung-Chang Sung<sup>2</sup>, Hsiu-Ching Hsu<sup>1</sup>, Ming-Fong Chen<sup>1</sup>, Yuan-Teh Lee<sup>1</sup>  
<sup>1</sup> Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taiwan  
<sup>2</sup> 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](#)<sup>1</sup>, Zarina Lorenzo<sup>1</sup>, Maria Honolina Gomez<sup>2</sup>, Alvin Lim<sup>1</sup>  
<sup>1</sup> Section of Cardiology, University of Santo Tomas Hospital, Philippines  
<sup>2</sup> Section of Endocrinology and Metabolism, University of Santo Tomas Hospital, Philippines
- P-331** Identifying Predictors of Pericardial Effusion after Cardiac Surgery  
[Emily Cruz Lapena](#)<sup>1</sup>, Noe Babilonia<sup>2</sup>  
<sup>1</sup> Section of Vascular Medicine, Department of Adult Cardiology, Philippine Heart Center, Philippines  
<sup>2</sup> 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 Fujiwara<sup>1</sup>, Izumi Manabu<sup>1</sup>, Ono Yukihiko<sup>1</sup>, Satoshi Kibira<sup>2</sup>, Hiroshi Itoh<sup>3</sup>  
<sup>1</sup> *Department of Cardiology, Reseach Institute for Brain and Blood Vessels-Akita, Japan*  
<sup>2</sup> *Kibira Medical Clinic, Japan*  
<sup>3</sup> *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 Mak<sup>1</sup>, Chiu Sun Sunny Yue<sup>1</sup>, Kwok Fai Leung<sup>1</sup>, Shu Fai Eric Leung<sup>2</sup>, Yee Chan Wong<sup>2</sup>, Ngor Peggy Hui<sup>3</sup>, Maurice Wan<sup>3</sup>, Tina Chan<sup>4</sup>, Peggy Lee<sup>4</sup>, Hon Kam Theseus Lee<sup>5</sup>, Kit Shan Chow<sup>5</sup>, Lai Kam Ng<sup>6</sup>, Kam Chu Yeung<sup>6</sup>, Wai Ying Chu<sup>7</sup>, Bonnie Cheung<sup>7</sup>, Sze Nga Anna Kwok<sup>8</sup>, Tobby Cheung<sup>9</sup>  
<sup>1</sup> *Division of Cardiology, Department of Medicine and Geriatrics, United Christian Hospital, Hong Kong*  
<sup>2</sup> *Physiotherapy Department, United Christian Hospital, Hong Kong*  
<sup>3</sup> *Occupational Therapy Department, United Christian Hospital, Hong Kong*  
<sup>4</sup> *Dietetic Department, United Christian Hospital, Hong Kong*  
<sup>5</sup> *Cardiac Ward, United Christian Hospital, Hong Kong*  
<sup>6</sup> *Community Nursing Service, United Christian Hospital, Hong Kong*  
<sup>7</sup> *Health Resource Centre, United Christian Hospital, Hong Kong*  
<sup>8</sup> *The Hong Kong Society for Rehabilitation Community Rehabilitation Network, Hong Kong*  
<sup>9</sup> *Christian Family Service Centre, Hong Kong*
- P-335** Preconditioning and Functional Capacity of Patients with St-Elevated Myocardial Infarction in Acute Phase  
 Takashi Kato<sup>1</sup>, Tomonori Segawa<sup>1</sup>, Shinichiro Tanaka<sup>1</sup>, Taro Minagawa<sup>2</sup>, Reiko Matsuoka<sup>1</sup>, Shintaro Abe<sup>1</sup>, Yoshiaki Goto<sup>1</sup>, Tomoko Hirose<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>, Toshiyuki Noda<sup>1</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-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 &amp; 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 Pasha<sup>1</sup>, Rahul Kumar<sup>1</sup>, Azim Nejatizadeh<sup>1</sup>, Mohit Gupta<sup>2</sup>, Ajit K Goyal<sup>3</sup>  
<sup>1</sup> *Functional Genomics Unit, Institute of Genomics and Integrative Biology, India*  
<sup>2</sup> *Department of Cardiology, G.B. Pant Hospital, India*  
<sup>3</sup> *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 Monastiri<sup>1</sup>, Anis Zitari<sup>1</sup>, Faouzi Added<sup>2</sup>, Mohamed Nour<sup>1</sup>, Mohsen Hassine<sup>3</sup>, Mohamed Fadel Najjar<sup>4</sup>, Mohamed Hammami<sup>5</sup>, Mohamed Habib Ben Farhat<sup>2</sup>  
<sup>1</sup> *Research Unit 01/UR/08.14, Faculty of Medicine of Monastir, Tunisia*  
<sup>2</sup> *Department of Cardiology, Teaching Hospital of Monastir, Tunisia*  
<sup>3</sup> *Laboratory of Haematology, Teaching Hospital of Monastir, Tunisia*  
<sup>4</sup> *Laboratory of Biochemistry, Teaching Hospital of Monastir, Tunisia*  
<sup>5</sup> *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 Bahrudin<sup>1</sup>, Hiroko Morisaki<sup>2</sup>, Takayuki Morisaki<sup>2</sup>, Osamu Igawa<sup>3</sup>, Seiji Takashima<sup>4</sup>, Einosuke Mizuta<sup>3</sup>, Junichiro Miake<sup>1</sup>, Yasutaka Yamamoto<sup>1</sup>, Yasuaki Shirayoshi<sup>1</sup>, Masafumi Kitakaze<sup>5</sup>, Lucie Carrier<sup>6</sup>, Ichiro Hisatome<sup>1</sup>

<sup>1</sup> *Division of Regenerative Medicine and Therapeutics, Tottori University, Japan*

<sup>2</sup> *Department of Bioscience, National Cardiovascular Center Research Institute, Japan*

<sup>3</sup> *Department of Cardiology, Tottori University Faculty of Medicine, Japan*

<sup>4</sup> *Department of Molecular Cardiology, Osaka University Graduate School of Medicine, Japan*

<sup>5</sup> *Department of Cardiovascular Medicine, National Cardiovascular Center, Japan*

<sup>6</sup> *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 Chang<sup>1</sup>, Jou-Wei Lin<sup>1</sup>, Jyh-Ming Juang<sup>2</sup>, Chai-Ti Tsai<sup>2</sup>, Juey-Jen Hwang<sup>1</sup>, Fu-Tien Chiang<sup>2</sup>

<sup>1</sup> *Cardiovascular Center, National Taiwan University Hospital Yun-Lin Branch, Taiwan*

<sup>2</sup> *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 Anan<sup>1</sup>, Takashi Kajiya<sup>1</sup>, Masao Yoshinaga<sup>2</sup>, Yu Kucho<sup>2</sup>, Yuji Tanaka<sup>2</sup>, Naoya Oketani<sup>1</sup>, Sanemasa Ishida<sup>1</sup>, Shuichi Hamasaki<sup>1</sup>, Chuwa Tei<sup>1</sup>

<sup>1</sup> *Department of Cardiovascular, Respiratory and Metabolic Medicine, Kagoshima University, Japan*

<sup>2</sup> *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 Negm<sup>1</sup>, Amira A Abdelazeem<sup>2</sup>, Amani H Galal<sup>3</sup>, Ahmed Baseem Doma<sup>4</sup>, Mohamed A Almalt<sup>5</sup>

<sup>1</sup> *Cardiology and Ultrasonography Unit, Research Institute of Ophthalmology, Egypt*

<sup>2</sup> *Ophthalmogenetics Unit, Egypt*

<sup>3</sup> *Ophthalmogenetics, Egypt*

<sup>4</sup> *Radiology Unit, Egypt*

<sup>5</sup> *Ophthalmology Department, Egypt*

**P-347** TNF- $\alpha$  Modulates Gene Expression of Cardiac Dystrophin and Titin Proteins through NF-Kappa B Pathway

Madhu Khullar<sup>1</sup>, Shamim Ahmad<sup>2</sup>, Ajay Bahl<sup>2</sup>, Rohit Manoj Kumar<sup>2</sup>, Rajiv Mahajan<sup>2</sup>, Kewal Krishan Talwar<sup>2</sup>

<sup>1</sup> *Department of Experimental Medicine and Biotechnology, PGIMER Chandigarh, India*

<sup>2</sup> *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 Oka<sup>1</sup>, Hiroyuki Takano<sup>1</sup>, Jeffery D Molkentin<sup>2</sup>, Issei Komuro<sup>1</sup>  
<sup>1</sup> *Department of Cardiovascular Science and Medicine, Chiba University Graduate School of Medicine, Japan*  
<sup>2</sup> *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 Lin<sup>1</sup>, J.H Cheng<sup>2</sup>, T.L Hsieh<sup>3</sup>, W.G Luo<sup>3</sup>, Tung-Jing Fang<sup>3</sup>  
<sup>1</sup> *Department of Pharmacology, National Yang-Ming University, Taiwan*  
<sup>2</sup> *Department of Biology and Anatomy, National Defense Medical Center, Taiwan*  
<sup>3</sup> *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 Ye<sup>1</sup>, Li ping Su<sup>2</sup>, Kian Keong Poh<sup>3</sup>, Husnain Kh Haider<sup>4</sup>  
<sup>1</sup> *National University Medical Institutes, National University of Singapore, Singapore*  
<sup>2</sup> *National Heart Centre, Singapore*  
<sup>3</sup> *National University Hospital, Singapore*  
<sup>4</sup> *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 Tirziu<sup>1</sup>, Elisabeta Badila<sup>1</sup>, Razvan C Tirziu<sup>2</sup>, Daniela Bartos<sup>1</sup>, Maria Dorobantu<sup>1</sup>  
<sup>1</sup> Internal Medicine and Cardiology, The Clinical Emergency Hospital, Romania  
<sup>2</sup> 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 Liu<sup>1</sup>, Jing Yang<sup>2</sup>, Jishun Ma<sup>2</sup>, Ningling Sun<sup>2</sup>, Dayi Hu<sup>2</sup>  
<sup>1</sup> Heart Center, Peking University People's Hospital, China  
<sup>2</sup> Peking University People's hospital, China
- P-355** A Pilot Study on Level of Blood Vasoactive Factors in Prehypertensive and Hypertensive Patients  
Zuoguang Wang<sup>1</sup>, Shaojun Wen<sup>2</sup>, Ya Liu<sup>1</sup>, Jiuling Liu<sup>1</sup>, Zhaosu Wu<sup>3</sup>, Jie Wen<sup>1</sup>  
<sup>1</sup> Department of Hypertension, Capital Medical University, China  
<sup>2</sup> Division of Hypertension, Beijing Institute of Heart, Lung, Blood Vessel Diseases, Beijing Anzhen Hospital, Attached to Capital Medical University, China  
<sup>3</sup> 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 Huang<sup>1</sup>, Tao-Cheng Wu<sup>2</sup>, Shing-Jong Lin<sup>2</sup>, Jaw-Wen Chen<sup>3</sup>  
<sup>1</sup> Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital, Taiwan  
<sup>2</sup> Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital/ Institute of Clinical Medicine, Cardiovascular Research Center, National Yang-Ming University, Taiwan  
<sup>3</sup> 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 Pham<sup>1</sup>, Sam Nhan Thai<sup>2</sup>  
<sup>1</sup> Department of Cardiology, Ha Tinh General Hospital, Vietnam  
<sup>2</sup> Ha Tinh Medical College, Vietnam

- P-360** Prognosis Criteria of Casual Systolic and Diastolic Blood Pressure Values in a Prospective Study in India  
 Catherine Sauvaget<sup>1</sup>, K. Ramadas<sup>2</sup>, G. Thomas<sup>3</sup>, S. Thara<sup>4</sup>, R. Sankaranarayanan<sup>1</sup>  
<sup>1</sup> Screening Group, International Agency for Research on Cancer, French Metropolitan  
<sup>2</sup> Division of Radiation Oncology, Regional Cancer Center, India  
<sup>3</sup> Division of Preventive Oncology, Regional Cancer Center, India  
<sup>4</sup> 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 Weng<sup>1</sup>, Chang-Hua Chou<sup>2</sup>, Yao-Yi Huang<sup>3</sup>, Chih-Chan Lin<sup>3</sup>, Yen-Wen Liu<sup>3</sup>, Wei-Chuan Tsai<sup>3</sup>  
<sup>1</sup> Department of Internal Medicine, National Cheng Kung University, Taiwan  
<sup>2</sup> Department of Internal Medicine, Sinlau Christian Hospital, Taiwan  
<sup>3</sup> Department of Internal Medicine, National Cheng Kung University Hospital, Taiwan
- P-363** Neuroimaging in Hypertensive Encephalopathy  
 Satoshi Koyama<sup>1</sup>, Nobuyuki Taniyama<sup>2</sup>, Naoyuki Yao<sup>2</sup>, Kazutoshi Abe<sup>2</sup>, Hitoshi Sakuragi<sup>2</sup>, Masaaki Takahashi<sup>3</sup>, Tadataka Noro<sup>2</sup>, Tadakatu Tsuji<sup>3</sup>, Junya Shindo<sup>4</sup>, Junichi Maruyama<sup>2</sup>, Kenjiro Kikuchi<sup>2</sup>  
<sup>1</sup> Neurology, Asahikawa Rehabilitation Hospital, Japan  
<sup>2</sup> Cardiology, Asahikawa Rehabilitation Hospital, Japan  
<sup>3</sup> Respiratory, Asahikawa Rehabilitation Hospital, Japan  
<sup>4</sup> 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 Wang<sup>1</sup>, Xiaoyun Peng<sup>2</sup>, Ya Liu<sup>3</sup>, Liu Jieling<sup>1</sup>, Shaojun Wen<sup>1</sup>, Zhaosu Wu<sup>4</sup>  
<sup>1</sup> Department of Hypertension, Capital Medical University, China  
<sup>2</sup> Institute of Westnorth Plateau Biology, China Academy of Sciences, China  
<sup>3</sup> Division of Hypertension, Beijing Institute of Heart, Lung, Blood Vessel Diseases, Beijing Anzhen Hospital, Attached to Capital University of Medical Sciences, China  
<sup>4</sup> 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 Huang<sup>1</sup>, Chung-Hua Chou<sup>2</sup>, Chih-Chan Lin<sup>1</sup>, Jyh-Hong Chen<sup>3</sup>, Wei-Chuan Tsai<sup>1</sup>  
<sup>1</sup> Department of Internal Medicine, National Cheng Kung University Hospital, Dou-Liou Branch, Taiwan  
<sup>2</sup> Department of Internal Medicine, Sinlau Christian Hospital, Taiwan  
<sup>3</sup> 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 Lin<sup>1</sup>, J.H Cheng<sup>2</sup>, Tsorng-Lou Hsieh<sup>3</sup>, W.G Luo<sup>3</sup>, Tung-Jing Fang<sup>3</sup>

<sup>1</sup> *Department of Pharmacology, National Yang-Ming University, Taiwan*

<sup>2</sup> *Department of Biology and Anatomy, National Defense Medical Center, Taiwan*

<sup>3</sup> *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 Liu<sup>1</sup>, Dachun Yang<sup>2</sup>, Hongbo He<sup>2</sup>, Xiaoping Chen<sup>2</sup>, Tingbin Cao<sup>2</sup>, Liqun Ma<sup>2</sup>, Zhidan Luo<sup>2</sup>, Lijuan Wang<sup>2</sup>, Tepel Martin<sup>3</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*

<sup>3</sup> *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 Saito<sup>1</sup>, Tsunehiro Saito<sup>2</sup>, Shigeyuki Sugiyama<sup>2</sup>, Kyoichi Mizuno<sup>1</sup>

<sup>1</sup> *Department of Cardiology, Nippon Medical School Hospital, Japan*

<sup>2</sup> *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 Sung<sup>1</sup>, Pei-Chun Chen<sup>1</sup>, Ta-Chen Su<sup>2</sup>, Kuo-Liong Chien<sup>3</sup>, Hsiu-Ching Hsu<sup>2</sup>, Yuan-Teh Lee<sup>4</sup>  
<sup>1</sup> *Institution of Environmental Health, China Medical University, Taiwan*  
<sup>2</sup> *Department of Internal Medicine, National Taiwan University Hospital, Taiwan*  
<sup>3</sup> *Institution of Preventive Medicine, National Taiwan University, Taiwan*  
<sup>4</sup> *Department of Clinical Medicine, China Medical University, Taiwan*
- P-379** Daidzein, Soy Phytoestrogen, Selectively Ameliorates Obesity-Related Hypertension in Mice and Humans  
Tomoo Furumoto<sup>1</sup>, Daisuke Goto<sup>1</sup>, Satoshi Fujii<sup>2</sup>, Burton 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, 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 Nomura<sup>1</sup>, Yoshikazu Yazaki<sup>2</sup>, Mitsuaki Horigome<sup>2</sup>, Kazushi Kitahara<sup>1</sup>, Yoshitake Mikoshiba<sup>1</sup>  
<sup>1</sup> *Department of Research Laboratory, NHO Matsumoto Medical Center, Japan*  
<sup>2</sup> *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 Takase<sup>1</sup>, Kazuo Kimura<sup>1</sup>, Masayoshi Nagata<sup>2</sup>, Ko Arakawa<sup>3</sup>, Akira Hamabe<sup>4</sup>, Akimi Uehata<sup>4</sup>, Fumitaka Ohsuzu<sup>3</sup>, Akira Kurita<sup>1</sup>  
<sup>1</sup> *Department of Intensive Care Medicine, National Defense Medical College, Japan*  
<sup>2</sup> *Iruma Heart Hospital, Japan*  
<sup>3</sup> *National Defense Medical College, Internal Medicine-1, Japan*  
<sup>4</sup> *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 Ong](#)<sup>1</sup>, Victor Yt Lim<sup>2</sup>, Boon Cheng Chang<sup>1</sup>, Jayaram Lingamanaicker<sup>1</sup>, Chong Hiok Tan<sup>1</sup>, Yew Seong Goh<sup>1</sup>, Kok Soon Tan<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Changi General Hospital, Singapore*  
<sup>2</sup> *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 Chan](#)<sup>1</sup>, Marcus Eng Hock Ong<sup>1</sup>, Arul Earnest<sup>2</sup>, Aaron Sung Lung Wong<sup>3</sup>, Anantharaman Venkataraman<sup>1</sup>, Terrance Siang Jin Chua<sup>3</sup>, Swee Han Lim<sup>1</sup>  
<sup>1</sup> *Department of Emergency Medicine, Singapore General Hospital, Singapore*  
<sup>2</sup> *Principal Medical Statistician, Tan Tock Seng Hospital, Singapore*  
<sup>3</sup> *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 Elective 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 Kobayashi**<sup>1</sup>, Noritake Hata<sup>1</sup>, Shinya Yokoyama<sup>1</sup>, Kouichi Akutsu<sup>1</sup>, Takuro Shinada<sup>1</sup>, Kazunori Tomita<sup>1</sup>, Shirakabe Akihiro<sup>1</sup>, Kyouichi Mizuno<sup>2</sup>  
<sup>1</sup> *Division of Intensive Care Unit, Nippon Medical School Chiba Hokusoh Hospital, Japan*  
<sup>2</sup> *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 Chow<sup>1</sup>, C H Tan<sup>2</sup>, K S Tan<sup>1</sup>, K L Tong<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, SingHealth/ Changi General Hospital, Singapore*  
<sup>2</sup> *Department of Cardiology, Changi General Hospital, Singapore*
- P-402** Preventing Pulmonary Embolism; An Ideal Approach  
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*

## 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 Fadavi<sup>1</sup>, Mahmood Shabestari<sup>1</sup>, Farahzad Jabbari Azad<sup>2</sup>, Mahsa Fadavi<sup>1</sup>, Farhad Jabbari<sup>1</sup>, Mehri Nikdust<sup>1</sup>, Hossein Mehdikhani<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Razavi Hospital, Iran*  
<sup>2</sup> *Mashad Medical University, Iran*
- P-404** Coil Embolization to Aberrant Branch of Lima  
Mahla Fadavi<sup>1</sup>, Mahmood Shabestari<sup>1</sup>, Majid Jalalyazdi<sup>1</sup>, Farahzad Jabbariazad<sup>2</sup>, Babak Radmehr<sup>3</sup>, Hossein Mehdikhani<sup>1</sup>, Iman Kashani<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Razavi Hospital, Iran*  
<sup>2</sup> *Mashad Medical University, Iran*  
<sup>3</sup> *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 Parashar<sup>1</sup>, Prabhash Chand Manoria<sup>2</sup>, Pankaj Manoria<sup>1</sup>, Alka Parashar<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Manoria Heart Care Centre, India*  
<sup>2</sup> *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 Mehdikhani<sup>1</sup>, 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 Mehdikhani<sup>1</sup>, Mahmood Shabestari<sup>1</sup>, Farahzad Jabbari Azad<sup>2</sup>, Mahmood Dargahi<sup>1</sup>, Leila Alizadeh<sup>1</sup>, Mahla Fadavi<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Razavi Hospital, Iran*  
<sup>2</sup> *Mashad Medical University, Iran*
- P-412** Doppler Evaluation of Left to Right Shunt (Qp/Qs) in Patients with Isolated Ventricular Septal Defect (VSD)  
Manzoor Mahmood<sup>1</sup>, Haque Sirajul K. M. H. S.<sup>1</sup>, Quazi Safiuddin Ahmad<sup>2</sup>, Mohammad Abu Siddique<sup>1</sup>, Chowdhury Meskat Ahmed<sup>1</sup>, Mohammad Mokhlesur Rahman<sup>1</sup>  
<sup>1</sup> *Department of Cardiology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh*  
<sup>2</sup> *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<sup>1,2</sup>, Yukihiro Yoshimoto<sup>2</sup>, Osamu Ishikawa<sup>3</sup>, So Nagashima<sup>2</sup>, Yoshito Ueda<sup>2</sup>, Noriko Kitamura<sup>1</sup>, Shusuke Kasuya<sup>1</sup>, Hitoshi Terada<sup>1</sup>, Minoru Tanaka<sup>4</sup>, Tetsuya Suzuki<sup>2</sup>, Aki Kamijo<sup>5</sup>, Koki Takahashi<sup>4</sup>  
<sup>1</sup> *Department of Interventional Radiology, Toho University Sakura Medical Center, Japan*  
<sup>2</sup> *Center for Science of Environment, Resources and Energy, Keio University Faculty of Science and Technology, Japan*  
<sup>3</sup> *Department of Neurosurgery, The University of Tokyo Hospital, Japan*  
<sup>4</sup> *Department of Transfusion Medicine, The University of Tokyo Hospital, Japan*  
<sup>5</sup> *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 Huang<sup>1</sup>, Hui-Mei Lin<sup>2</sup>, Wen-Ling Cheng<sup>2</sup>, Chen-Ling Kuo<sup>2</sup>, Chin-San Liu<sup>3</sup>

<sup>1</sup> Department of Cardiology, Changhua Christian Hospital, Graduate Institute of Medical Science Chang Jung Christian University, Taiwan

<sup>2</sup> Vascular and Genomic Research Center, Changhua Christian Hospital, Taiwan

<sup>3</sup> 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 IIA Prevents Doxorubicin-Induced Cardiomyocyte Apoptosis through Akt-Dependent Pathway

Paul Chan<sup>1</sup>, Mei-Chi Hsieh<sup>1</sup>, Cheng-Hsien Chen<sup>1</sup>, Tzu-Hung Cheng<sup>2</sup>

<sup>1</sup> Department of Medicine, Taipei Medical University-Wan Fang Hospital, Taiwan

<sup>2</sup> 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 Kotani<sup>1</sup>, Shizukiyo Ishikawa<sup>2</sup>, Tadao Gotoh<sup>2</sup>, Atsuko Sadakane<sup>1</sup>, Ritei Uehara<sup>1</sup>, Kazunori Kayaba<sup>3</sup>, Yosikazu Nakamura<sup>1</sup>, Eiji Kajii<sup>2</sup>

<sup>1</sup> Department of Public Health, Center for Community Medicine, Jichi Medical University School of Medicine, Japan

<sup>2</sup> Department of Community and Family Medicine, Center for Community Medicine, Jichi Medical University School of Medicine, Japan

<sup>3</sup> 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 Wu<sup>1</sup>, Szu-Chi Wen<sup>1</sup>, Kuei-Chin Tsai<sup>1</sup>, Shih-Yun Pu<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> *Taipei Veteran General Hospital and Yang-Ming University, Taiwan***P-423** Spontaneous Echo Contrast in Internal Jugular VeinsYing-Tsung Chen<sup>1</sup>, Hung-Yi Hsu<sup>2</sup><sup>1</sup> *Department of Cardiology, Tungs' Taichung MetroHarbor Hospital, Taiwan*<sup>2</sup> *Department of Neurology, Tungs' Taichung MetroHarbor Hospital, Taiwan***P-424** Aneurysm of Valsalva Sinus - Report of Operated Case with Msct-64Vu Tuan Nguyen<sup>1</sup>, Van Phan Nguyen<sup>2</sup>, Nguyen Vinh Pham<sup>2</sup><sup>1</sup> *Cardiology, MEDIC HCMC, Vietnam*<sup>2</sup> *Heart Institute HCMC, Vietnam***P-425** The Left Common Carotid Artery Rises from the Pulmonary Artery - An Operated Case with MSCT-64Vu Tuan Nguyen<sup>1</sup>, Thanh Hai Phan<sup>2</sup>, Duc Huy Dinh<sup>3</sup>, Kim Phuong Phan<sup>3</sup>, Nguyen Vinh Pham<sup>3</sup><sup>1</sup> *Cardiology, MEDIC HCMC, Vietnam*<sup>2</sup> *MEDIC HCMC, Vietnam*<sup>3</sup> *Heart Institute HCMC, Vietnam***P-426** Role of Coronary Collaterals in Regional Myocardial PerfusionSunanto Ng<sup>1</sup>, Ingrid M. Pardede<sup>1</sup>, Sunarya A. Soerianata<sup>1</sup>, Manoefris Kasim<sup>1</sup>, Dede Kusmana<sup>1</sup>,  
Diederick Grobbee<sup>2</sup><sup>1</sup> *Department of Cardiology and Vascular Medicine, University of Indonesia, Indonesia*<sup>2</sup> *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 Saito<sup>1</sup>, Takao Katoh<sup>1</sup>, Naofumi Matsuno<sup>2</sup>, Naoyuki Uchida<sup>2</sup>, Atsushi Wake<sup>2</sup>, Shuichi Taniguchi<sup>2</sup>,  
Kyoichi Mizuno<sup>1</sup><sup>1</sup> *Department of Cardiology, Nippon Medical School Hospital, Japan*<sup>2</sup> *Department of Hematology, Toranomon Hospital, Japan*

- P-429** Caffeine could Worsen the Orthostatic Tolerance during Head-up Tilt Test  
 Shioto Itakura<sup>1</sup>, Takuya Ono<sup>2</sup>, Yoshinori Kobayashi<sup>2</sup>, Hiroshi Honma<sup>2</sup>, Kazuo Munakata<sup>1</sup>, Takao Kato<sup>2</sup>, Kyoichi Mizuno<sup>2</sup>  
<sup>1</sup> Internal Medicine, Nippon Medical School, Japan  
<sup>2</sup> 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 Simkova<sup>1</sup>, Marcela Tavacova<sup>1</sup>, Monika Kaldararova<sup>1</sup>, Pavol Pacak<sup>1</sup>, Pavol Chnupa<sup>1</sup>, Irene Lang<sup>2</sup>  
<sup>1</sup> Cardiology, Slovak Medical University, National Institute of Cardiovascular Diseases, Slovakia  
<sup>2</sup> 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 Shokawa<sup>1</sup>, Koichi Tanigawa<sup>2</sup>, Takao Yamanoue<sup>2</sup>, Takenori Okada<sup>1</sup>, Kenji Nishioka<sup>1</sup>, Yukiko Nakano<sup>1</sup>, Hiroki Teragawa<sup>1</sup>, Futoshi Tadehara<sup>1</sup>, Hideya Yamamoto<sup>1</sup>, Takafumi Ishida<sup>1</sup>, Yasuki Kihara<sup>1</sup>  
<sup>1</sup> Department of Cardiovascular Medicine, Hiroshima University, Japan  
<sup>2</sup> 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 Lee<sup>1</sup>, Azhil Durairaj<sup>2</sup>, Anilkumar Mehra<sup>2</sup>, Herbert J. Meiselman<sup>3</sup>, Tamas Alexy<sup>3</sup>  
<sup>1</sup> Department of Internal Medicine, Cardiology Division, Inje University, Sanggye Paik Hospital, Korea  
<sup>2</sup> Division of Cardiovascular Medicine, University of Southern California, Keck School of Medicine, United States  
<sup>3</sup> 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 Kim<sup>1</sup>, Ji-Dong Sung<sup>2</sup>, Sung-Chul Chae<sup>3</sup>, Do-Sun Lim<sup>4</sup>, Sang-Hong Baek<sup>5</sup>, Ki-Hoon Han<sup>6</sup>, Dong-Hoon Choi<sup>7</sup>, Young-Keun Ahn<sup>8</sup>, Young-Dae Kim<sup>9</sup>, Hyo-Soo Kim<sup>10</sup>  
<sup>1</sup> *Cardiology, Seoul National University Boramae Hospital, Korea*  
<sup>2</sup> *Samsung Medical Center, Korea*  
<sup>3</sup> *Kyungbook University, Korea*  
<sup>4</sup> *Korea University, Korea*  
<sup>5</sup> *Catholic University, Korea*  
<sup>6</sup> *Ulsan University, Korea*  
<sup>7</sup> *Yonsei University, Korea*  
<sup>8</sup> *Chonnam University, Korea*  
<sup>9</sup> *Donga University, Korea*  
<sup>10</sup> *Seoul National University, Korea*
- P-439** Weight Change and Mortality in a Prospective Community Study in Taiwan  
 Pei-Chun Chen<sup>1</sup>, Fung-Chang Sung<sup>1</sup>, Kuo-Liong Chien<sup>2</sup>, Ta-Chen Su<sup>3</sup>, Hsiu-Ching Hsu<sup>3</sup>, Yuan-Teh Lee<sup>4</sup>  
<sup>1</sup> *Institution of Environmental Health, China Medical University, Taiwan*  
<sup>2</sup> *Institution of Preventive Medicine, National Taiwan University, Taiwan*  
<sup>3</sup> *Department of Internal Medicine, National Taiwan University Hospital, Taiwan*  
<sup>4</sup> *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 Chen<sup>1</sup>, Shih-Hung Loh<sup>1</sup>, Tzu-Hung Cheng<sup>2</sup>, Ju-Chi Liu<sup>3</sup>  
<sup>1</sup> *Graduate Institute of Medical Sciences, National Defense Medical Center, Taiwan*  
<sup>2</sup> *Department of Biological Science and Technology, China Medical University, Taiwan*  
<sup>3</sup> *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*

## Joint Session-4

RoomA

### 9:00-10:30 APSC-WHF-ISCHF Joint Session: Myocarditis: New Insights into Etiology and Pathogenesis

**Chairpersons:** Dayi Hu (*People's Hospital, Peking University, China*)  
 Hany Negm (*Cardiology Unit Research Institute of Ophthalmology, Egypt*)  
 Shahryar A. Sheikh (*World Heart Federation, Pakistan*)

- JS4-1** Mechanism of Enterovirus Persistence in Human Heart Disease  
**Nora M. Chapman** (*University of Nebraska Medical Center, United States*)
- JS4-2** Diagnosis and Treatment of Chronic Viral Cardiomyopathy (CVC)  
**Heinz-Peter Schultheiss** (*Charite-University Medicine Berlin, Germany*)
- JS4-3** Evaluation of Increased Level of NT-proBNP in Viral Hepatitis Patients in China  
**Ling Wang** (*Peking University Health Science Center, China*)
- JS4-4** Hepatitis C Virus Heart Diseases in Egypt  
**Mohammad Abdel-Nabi Haykal** (*Cardiovascular Research Unit-Research Institute of Ophthalmology, Egypt*)

## Joint Session-5

RoomA

### 10:40-12:10 APSC-ISCHF Joint Session: Cardiomyopathy and Heart Failure: Update

**Chairpersons:** Bernhard Maisch (*Philipps-University Marburg, Germany*)  
 Akira Matsumori (*Kyoto University Graduate School of Medicine, Japan*)

- JS5-1** Genetics and Mechanisms of Cardiomyopathy and Heart Failure: 21st Century Update  
**Jeffrey Towbin** (*Cincinnati Children's Hospital Medical Center, United States*)
- JS5-2** Treatment of Viral and Autoreactive Inflammatory Cardiomyopathy  
**Bernhard Maisch** (*Philipps-University, Germany*)
- JS5-3** Variant Types of Stress-induced Cardiomyopathy  
**Kee-Sik Kim** (*Daegu Catholic University, Korea*)
- JS5-4** Advances in the Noninvasive and Immunohistological Diagnosis of Myocarditis  
**Leslie T. Cooper** (*Mayo Clinic College of Medicine, United States*)
- JS5-5** Heart Failure Therapy That Targets Nuclear Signaling Pathway in Cardiomyocytes  
**Koji Hasegawa** (*Kyoto Medical Center, National Hospital Organization, Japan*)

## Symposium7

RoomD

### 9:00-10:30 Heart Failure-7: New insights into hypertrophic cardiomyopathy: Disease expression and management strategies

**Chairpersons:** Yoshinori Doi (*Kochi Medical School, Kochi University, Japan*)  
 Kazuo Kitamura (*Miyazaki Medical College, Japan*)  
 Jeffrey Towbin (*Cincinnati Children's Hospital Medical Center, United States*)

- S7-1** Molecular Etiology of HCM: Recent Progress  
**Akinori Kimura** (*Medical Research Institute, Tokyo Medical and Dental University, Japan*)
- S7-2** Multi-biomarkers and Left Ventricular Remodeling in Hypertrophic Cardiomyopathy  
**Hiroaki Kitaoka** (*Kochi Medical School, Japan*)
- S7-3** Prognosis of Hypertrophic Cardiomyopathy in Japan and Risk Factors for Death  
**Tsutomu Imaizumi** (*Kurume University School of Medicine, Japan*)
- S7-4** Percutaneous Alcohol Septal Ablation Results in Excellent Hemodynamic and Clinical Outcome in Medically Refractory Hypertrophic Cardiomyopathy with Left Ventricular Outflow or/And Mid-cavitary Obstruction  
**Morimasa Takayama** (*Sakakibara Heart Institute, Japan Cardiovascular Research Promotion Society, Japan*)

**Symposium8****RoomD****10:40-12:10 Heart Failure-8: Heart Failure in Asian Pacific Region**

**Chairpersons:** Naoyuki Hasebe (*Asahikawa Medical College, Japan*)  
 Kriengkrai Hengrussamee (*Heart Failure Council of Thailand, Thailand*)  
 Myoung-Mook Lee (*Dongguk University International Hospital, Korea*)

- S8-1** Is Any Role of Statin in Heart Failure?  
**Philip Yu-An Ding** (*National Yang-Ming University, Veterans General Hospital, Taiwan*)
- S8-2** Stem Cell Therapy in Heart Failure  
**Vithaya Chaithiraphan** (*Her Majesty Cardiac Center, Siriraj Hospital, Mahidol University, Thailand*)
- S8-4** Heart Failure at National Cardiovascular Center Jakarta-indonesia  
**Bambang Budi Siswanto** (*Indonesian Heart Association, Indonesia*)

**Symposium29****RoomE****9:00-10:30 Pediatric Cardiology-2: Kawasaki Disease**

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

- S29-1** Catheter Intervention for Kawasaki Disease  
**Masahiro Ishii** (*Kitasato University School of Medicine, Japan*)
- S29-2** National Survey and Genetic Study of Kawasaki Disease in Korea  
**Ji Whan Han** (*The Catholic University of Korea, Korea*)
- S29-3** Endothelial Microparticles: Assessment of Vascular Injury in Kawasaki Disease  
**Suthep Wanitkun** (*Ramathibodi Hospital, Thailand*)
- S29-4** Hemodynamic Assessment of Coronary Artery Lesions in Patients with Kawasaki Disease  
**Shunichi Ogawa** (*Nippon Medical School, Japan*)

**Symposium39****RoomE****10:40-12:10 Clinical Cardiology: Update in cardiovascular repair**

**Chairpersons:** Idris Idham (*University of Indonesia, National Cardiovascular Centre, Indonesia*)  
 Issei Komuro (*Chiba University Graduate School of Medicine / Osaka University Graduate School of Medicine, Japan*)  
 Kewal Krishan Talwar (*Deemed University, India*)

- S39-1** Peripheral Blood Stem Cell Therapy with Cytokine Treatment in Myocardial Infarction  
**Hyun-Jae Kang** (*Seoul National University Hospital, Korea*)
- S39-2** Future Treatment of Severe Heart Failure using Regenerative Medicine  
**Keiichi Fukuda** (*Keio University School of Medicine, Japan*)
- S39-3** New Advances in Cardiac Cell Therapy  
**Hidemasa Oh** (*Kyoto Prefectural University of Medicine, Japan*)
- S39-4** Pluripotent Stem Cells Induced from Adult Somatic Cells by Dedifferentiation without Viral Vector Nor Genetic Manipulation  
**Hyo-Soo Kim** (*National Research Laboratory for Cardiovascular Stemcell, Seoul National University College of Medicine, Korea*)

**Symposium32****Annex2****9:00-10:30 Arrhythmia-3: ICD/CRT-D**

**Chairpersons:** Nobuhisa Hagiwara (*Tokyo Women's Medical University, Japan*)  
 Yash Lokhandwala (*Arrhythmia Associates, India*)  
 Hideo Mitamura (*Saiseikai Central Hospital, Japan*)

- S32-1** ICD/CRT-D Therapy in Asia  
**Jiunn-Lee Lin** (*National Taiwan University Hospital, Taiwan*)
- S32-2** ICD/CRT-D Therapy in Japanese Patients with Left Ventricular Systolic Dysfunction  
**Akihiko Shimizu** (*Yamaguchi University School of Medicine, Japan*)
- S32-3** ICD Therapy in Patients with Brugada Syndrome  
**Sung Soon Kim** (*Yonsei Cardiovascular Center / Yonsei University College of Medicine, Korea*)
- S32-4** Treatment of ICD/Electrical Storm: a Role of Catheter Ablation  
**Ken Okumura** (*Hirosaki University Graduate School of Medicine, Japan*)

**Symposium33****Annex2****10:40-12:10 Arrhythmia-4: Strategy of catheter ablation atrial fibrillation**

**Chairpersons:** Muhammad Munawar (*Harapan Kita National Cardiovascular Center, Indonesia*)  
 Koonlawee Nademanee (*Pacific Rim Electrophysiology Research Institute, United States*)  
 Abani B Upadhyaya (*Cardiac Society of Nepal, Nepal*)

- S33-1** Catheter Substrate Ablation for Elderly Patients with Atrial Fibrillation  
**Koonlawee Nademanee** (*Pacific Rim Electrophysiology Research Institute, United States*)
- S33-2** Optimization of Linear Ablation at the Left Atrium in Chronic AF  
**Young-Hoon Kim** (*Korea University Medical Center, Korea*)
- S33-3** Combined Strategy to Conquer Chronic AF: Efficiency of Catheter Ablation Targeting Both AF-triggers and Substrates Supplemented by Low-dose Bepridil Treatment  
**Teiichi Yamane** (*Jikei University School of Medicine, Japan*)
- S33-4** Extensive Encircling Pulmonary Vein Isolation in Paroxysmal and Long-lasting PV Isolation  
**Masahiko Goya** (*Kokura Memorial Hospital, Japan*)

**Symposium35****RoomB-1****9:00-10:30 Preventive Cardiology-2: Prevention of emerging epidemic of coronary heart disease in Asia Pacific Region**

**Chairpersons:** Pradistchai Chaiseri (*The Heart Association of Thailand, Thailand*)  
 Rajeev Gupta (*Fortis Escorts Hospital, India*)  
 Kazunori Kodama (*Radiation Effects Research Foundation, Japan*)

- S35-1** CVD Trends in Philippines and Its Future Perspectives  
**Mariano B. Lopez** (*University of the Philippines College of Medicine, Philippines*)
- S35-2** Cardiovascular Disease in Asia -- the Present and the Future  
**Chung-Sheng Lin** (*Chung Shan Medical University Hospital, Taiwan*)
- S35-3** CVD Prevention: Global Policy to Local Action.  
**K. Srinath Reddy** (*Public Health Foundation of India, India*)
- S35-4** CVD Trends in Japan and Its Future Perspectives  
**Akira Okayama** (*The First Institute of Prevention and Health Care, JATA (Japan Anti-Tuberculosis Association), Japan*)
- S35-5** CVD Trends in Korea and Future Perspectives  
**Il Suh** (*Yonsei University College of Medicine, Korea*)

**Symposium40****RoomB-1****10:40-12:10 Others: Asian Update in Cardiovascular Emergency Care**

**Chairpersons:** Swee Han Lim (*Singapore General Hospital, Singapore*)  
 Hiroshi Nonogi (*National Cardiovascular Center, Japan*)  
 Arun Sayami (*Tribhubhan University / Cardiac Society of Nepal, Nepal*)

- S40-1** Asian Update in Cardiovascular Emergency Care from Korean View  
**Dong Jin Oh** (*Hallym Kandong Sacred Heart Hospital / Hallym University Medical College, Korea*)
- S40-2** Emergency Cardiovascular Care Systems for Victims of Out-of-hospital Cardiac Arrest in Japan  
**Ken Nagao** (*Surugadai Nihon University Hospital, Nihon University School of Medicine, Japan*)
- S40-3** Asian Update in Cardiovascular Emergency Care: from Singapore View  
**Swee Han Lim** (*Singapore General Hospital, Singapore*)
- S40-4** Asian Update in Cardiovascular Emergency Care: from Taiwan View  
**Matthew Ma** (*National Resuscitation Council of Taiwan / National Taiwan Univeristy Hospital, Taiwan*)

**17th APCC Special Achievement Award Session****RoomA****12:20-13:10**

**Chairpersons:** Akira Kitabatake (*Chairperson of 17th Asian Pacific Congress of Cardiology / Hokkaido University, Japan*)  
 Akira Matsumori (*Secretariat General of 17th Asian Pacific Congress of Cardiology / Kyoto University Graduate School of Medicine, Japan*)

SAA-1~5 TBA

**Closing Ceremony****13:10-13:20**