



INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011

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VANCOUVER, BC, CANADA, July 23-26, 2011

**SCIENTIFIC  
PROGRAM**

Sunday, July 24, 2011

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## SUNDAY, JULY 24, 2011

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09:00 – 09:35

Hall A

**OC: OPENING CEREMONY**

Chairperson: **John A. Eleftheriades**, New Haven, CT, USA

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**John A. Eleftheriades**, USA

Chairman, Scientific Executive Committee

Chairman, Section of Cardiovascular Surgery

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Member, Scientific Executive Committee

Chairman, Section of Valvular Heart Disease

International Academy of Cardiology

**Naranjan S. Dhalla**, Canada

Member, Scientific Executive Committee

Chairman, Section of Molecular Cardiology

International Academy of Cardiology

**Gordon L. Fung**, USA

Member, Scientific Advisory Board

International Academy of Cardiology

**Kenneth Maiese**, USA

Member, Scientific Executive Committee

Chairman, Section of Vascular Biology

International Academy of Cardiology

PRESENTATION OF 2011 AWARDS

**John A. Eleftheriades**, USA

**Jeffrey S. Borer**, USA

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09:35 – 10:15

Hall A

**OL: OPENING LECTURE – FIFTH H.J.C. SWAN MEMORIAL LECTURE**

Chairperson: **J.D. Marsh**, Little Rock, AR, USA

09:35 INTRODUCTION

**J.D. Marsh**, Little Rock, AR, USA

09:40 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND THERAPEUTIC IMPLICATION (Invited Lecture)

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**J.L. Mehta**, C.P. Hu, S. Mitra, M. Khaidakov, T. Sawamura, S. Ayyadevara, P. Mehta, Molecular Cardiology, University of Arkansas for Medical Sciences, Little Rock, AR, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**PL:01 Plenary Session**

**APOPTOSIS, TISSUE REGENERATION AND CARDIAC REMODELLING IN HEART DISEASE**

Chairpersons: **N.S. Dhalla**, Winnipeg, MB, Canada  
**K. Maiese**, Newark, NJ, USA

Abstract No.

10:45	MECHANISMS OF GENDER DIFFERENCES IN CARDIAC REMODELING IN CONGESTIVE HEART FAILURE (Invited Lecture) <b>N.S. Dhalla</b> , St Boniface Hospital Research Centre, Winnipeg, MB, Canada	001
11:00	EXTENDING VASCULAR LONGEVITY THROUGH SIRTUIN MEDIATED SIGNALING (Invited Lecture) <b>K. Maiese</b> , University of Medicine & Dentistry of New Jersey, New Jersey Medical School, Newark, NJ, USA	002
11:15	GETTING THERE IS HALF THE FUN: CYTOKINE MODULATION OF CARDIAC FIBROBLAST MIGRATION (Invited Lecture) <b>C.S. Long</b> , University of Colorado and Denver Health Medical Center, Denver, CO, USA	003
11:30	NOVEL ALTERNATIVE SPLICING OF DEATH GENE BNIP3 PROMOTES CELL SURVIVAL OF POST-NATAL VENTRICULAR MYOCYTES (Invited Lecture) <b>L.A. Kirshenbaum</b> , Research Development Institute of Cardiovascular Sciences St. Boniface General Hospital Research Centre, Winnipeg, MB, Canada	004
11:45	OCCURRENCE OF AUTOPHAGY AND BRIDGING OF THE AUTOPHAGIC PROCESS TO APOPTOTIC AND NECROTIC CELL DEATH IN THE HUMAN HEART WITH END-STAGE HEART FAILURE (Invited Lecture) <b>T.M. Scarabelli</b> , FTA of Internal Medicine and Pharmacology Wayne State University School of Medicine, Detroit, MI, USA	005
12:00	INDUCED PLURIPOTENT STEM CELLS IN CARDIAC REGENERATION (Invited Lecture) <b>D.K. Singla</b> , University of Central Florida, Orlando, FL, USA	006
12:15	ROLE OF CARDIOMYOCYTE APOPTOSIS IN THE PATHOGENESIS OF CARDIAC REMODELING (Invited Lecture) <b>S. Hikoso</b> , Osaka University Graduate School of Medicine, Suita, Japan	007
12:30	CANDESARTAN ATTENUATES AGING-INDUCED INCREASE IN MATRICELLULAR PROTEINS AND MATRIX PROTEASES AND LIMITS REMODELING DURING HEALING AFTER REPERFUSED MYOCARDIAL INFARCTION <b>B.I. Jugdutt</b> , A. Palaniyappan, H. Idikio University of Alberta, Edmonton, Alberta, Canada	008
12:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**PL:02 Plenary Session**  
**HEART FAILURE: MANAGEMENT, THERAPY, OUTCOMES**

Chairpersons: **J.S. Borer**, New York, NY, USA  
**F. Follath**, Zürich, Switzerland

Abstract No.

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|-------|---|-----|
| 10:45 | HARNESSING TECHNOLOGY FOR PATIENT MANAGEMENT OF CARDIOVASCULAR DISEASES (Invited Lecture)<br><b>S.A. Lear</b> , Providence Health Care Simon Fraser University Harbour Centre Campus, Vancouver, BC, Canada   | 009 |
| 11:00 | CLINICAL PRESENTATION, MANAGEMENT AND OUTCOMES IN THE ACUTE HEART FAILURE GLOBAL SURVEY OF STANDARD TREATMENT (ALARM-HF) (Invited Lecture)<br><b>F. Follath</b> , M.B. Yilmaz, J.F. Delgado, J.T. Parisis, A. Mebazaa, E. Porcher, University Hospital, Zürich, Switzerland   | 010 |
| 11:15 | HEART RATE REDUCTION IN HEART FAILURE: THE LESSONS OF IVABRADINE IN SHIFT (Invited Lecture)<br><b>J.S. Borer</b> , SUNY Downstate Medical Center and College of Medicine, Brooklyn and New York, NY, USA  | 011 |
| 11:30 | MANAGEMENT OF ADVANCED HEART FAILURE IN THE COMMUNITY (Invited Lecture)<br><b>M.H. Pitzalis</b> , The Brody School of Medicine at ECU East Carolina Heart Institute, Greenville, NC, USA  | 012 |
| 11:45 | REGENERATIVE POTENTIAL OF PICSO IN HEART FAILURE PATIENTS: THE ATOS TRIAL (Invited Lecture)<br><b>W. Mohl</b> , C. Khazen, P. Wadowski, A. Jusic, D. Milasinovic, A. Mujagic, B. Birkenberg, M. Andreas, Medizinische Universität Wien, Austria   | 013 |
| 12:00 | DIRECTED APPROACH TO THE THERAPY OF PULMONARY ARTERIAL HYPERTENSION (Invited Lecture)<br><b>R.C. Bourge</b> , UAB Division of Cardiovascular Disease, Birmingham, AL, USA   | 014 |
| 12:15 | VENTRICULAR ASSIST DEVICE RELATED INFECTIONS INCREASE ONE-YEAR MORTALITY (Invited Lecture)<br><b>S.V. Pamboukian</b> , University of Alabama at Birmingham, AL, USA   | 015 |
| 12:30 | AMINO TERMINAL PRO BRAIN NATRIURETIC PEPTIDE SERUM VALUES IN THE DIFFERENTIAL DIAGNOSIS AND CLASSIFICATION OF DYSPNEA PATIENTS WITH PULMONARY HYPERTENSION: IS IT THE TIME TO CONTROL THE NECESSITY OF THE CURRENT SPECIFIC PHARMACOLOGIC OVERTREATMENT? (Invited Lecture)<br>I.N. Angomachalelis, G.O. Kyriazis, D.A. Tsavlis, S.M. Tryfon, D.E. Bouros,<br><b>N.I. Angomachalelis</b> , Aristotle University of Thessaloniki, School of Medicine, Thessaloniki, Macedonia, Greece | 016 |
| 12:45 | CARDIORENAL SYNDROME: AN UPDATE FOR 2011 (Invited Lecture)<br><b>A. Kazory</b> , University of Florida, Gainesville, FL, USA  | 017 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

S21

Session

**METABOLIC SYNDROME, TYPE II DIABETES AND ATHEROSCLEROSIS**

Chairpersons: **P. Holvoet**, Leuven, Belgium  
**M.R. Johnson**, Madison, WI, USA

Abstract No.

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|-------|---|-----|
| 10:45 | <p>CALPASTATIN OVER-EXPRESSION REDUCES FIBROSIS IN DIABETIC CARDIOMYOPATHY IN A TYPE II MURINE MODEL<br/> <b>M. Singh</b>, Y. Li, S. Chakrabarti, T. Peng<br/>                 University of Western Ontario, London, ON, Canada and Lawson Health Research Institute, London, Ontario, Canada</p>  | 018 |
| 11:00 | <p>EFFECT OF WEIGHT LOSS ON VARIOUS CARDIOVASCULAR RISK FACTORS (HYPERTENSION, GLYCEMIC CONTROL, LIPID PROFILE, CRP AND HOMOCYSTEINE) IN OBESE SUBJECTS TREATED WITH BARIATRIC SURGERY<br/> <b>J.P.S. Sawhnay</b>, M.K. Sharma, B.K. Mishra, B.K. andpal, A. Makhija, B.S. Vivek, A. Mehta, R. Passey, S.C. Manchanda, A. Mohnaty<br/>                 Sir Ganga Ram Hospital, Delhi, India</p> | 019 |
| 11:15 | <p>DOES ELECTROCARDIOGRAPHY DEFINED SILENT MYOCARDIAL ISCHEMIA NEED FURTHER CARDIAC TESTS IN DIABETIC MEN AND WOMEN? A COHORT STUDY IN A MIDDLE EASTERN POPULATION<br/>                 F. Hadaegh, <b>R. Mohebi</b>, M. Hatami, M. Hashemini, F. Sheikholeslami, F. Azizi<br/>                 Shahid Beheshti University of Medical Science, Tehran, Iran</p>                                 | 020 |
| 11:30 | <p>CIRCADIAN BLOOD PRESSURE PATTERN AND PREVALENCE OF NOCTURNAL HYPERTENSION IN SUBJECTS WITH AND WITHOUT DIABETES<br/>                 M.C. Castineiras, A. Moya, J. Perez-de-Lis, L. Pousa, J.L. Salgado, S. Hernaiz, A. Mojon, D.E. Ayala, <b>R.C. Hermida</b>, for the Hygia Project Investigators Bioengineering &amp; Chronobiology Labs., University of Vigo, Vigo, Spain</p>            | 021 |
| 11:45 | <p>EFFECTS OF DIABETES ON SMALL AORTIC ANEURYSMS IN SURVEILLANCE: SUBGROUP ANALYSIS FROM A RANDOMIZED TRIAL<br/> <b>P. De Rango</b>, P. Cao, F. Verzini, G. Parlani, E. Cieri, G. Simonte<br/>                 Vascular Endovascular Surgery, Hospital S.M. Misericordia, Italy</p>   | 022 |
| 12:00 | <p>DEPRESSION AND WAIST CIRCUMFERENCE INDEPENDENTLY PREDICT THE COSTS OF CARDIO-METABOLIC MEDICATIONS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS<br/>                 D. Young, J. Hii, J. Furler, I. Blackberry, <b>D. Liew</b>, J.D. Best<br/>                 The University of Melbourne, Victoria, Australia</p>  | 023 |
| 12:15 | <p>TRIGLYCERIDES ARE AN INDEPENDENT PREDICTOR OF DIABETES IN SOUTH ASIAN FEMALES UNLIKE IN SOUTH ASIAN MALES IN THE UNITED STATES<br/>                 P. Manocha, <b>R.A. Nanjundappa</b>, D.J. Eapen, I. Kassas, Y.X. Liu, S. Koduru, A.M. Ahmed, S. Raddawi, L. Sperling, A.A. Quyyumi<br/>                 Dept. of Medicine, Emory University Hospital, Atlanta, GA, USA</p>               | 024 |

12:30	DERIVATION OF A DIABETES RISK SCORE AND VALIDATION OF EXISTING SCREENING TOOLS IN RURAL KERALA, INDIA <b>T. Sathish</b> , S. Kannan, P.S. Sarma, K.R. Thankappan Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram, Kerala, India	025
12:45	GAMMA-GLUTAMYLTRANSFERASE (GGT) AND CARDIOVASCULAR RISK IN REFERRED HYPERTENSIVE PATIENTS G. Dell'omo, R. Pedrinelli, <b>M. Mariani</b> National Institute for Cardiovascular Research, University of Bologna, Italy	026
13:00	THE ASSOCIATION BETWEEN VENTRICULAR ARRHYTHMOGENEITY AND CARDIAC AUTONOMIC NEUROPATHY IN SUBJECTS WITH TYPE 2 DIABETES MELLITUS ASSESSED BY NEW ECG MARKERS C. Voulgari, <b>I. Moysakakis</b> , D. Kyriaki, N. Katsilambros, N. Tentolouris Athens University Medical School, Athens, Greece	027
13:15	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

10:45 – 13:00

Hall D

S22

Session

**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY/CONGENITAL HEART DISEASE**

Chairpersons: **N.E. Bowles**, Salt Lake City, UT, USA

**A.T. Yetman**, Salt Lake City, UT, USA

10:45	PREVALENCE AND IMPACT OF ANEMIA ON OUTCOMES OF SURGICALLY TREATED INFANTS WITH AV CANAL OR VENTRICULAR SEPTAL DEFECTS <b>Z. Khan</b> , G. Natarajan, S. Sallaam, I. Bondarenko, R.E. Delius, H.L. Walters, S. Aggarwal, Children's Hospital of Michigan, Detroit, MI, USA	028
11:00	LIVER DYSFUNCTION AND CARDIAC FUNCTION IN THE EARLY TERM AFTER FONTAN OPERATION <b>T. Oka</b> , R. Kato, K. Toiyama, S. Ozawa, T. Itoi, M. Yamagishi, K. Hamaoka Kyoto Prefectural University of Medicine, Kyoto, Japan	029
11:15	LONG-TERM OUTCOME OF CONGENITAL SINUS OF VALSALVA ANEURYSMS: A 25-YEAR EXPERIENCE S. Sarikaya, A. Elibol, H. Sacli, O. Kocamaz, M. Dedemoglu, M. Akbulut, A. Arslan, M. Balkanay, M. Alp, <b>K. Kirali</b> , Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	030
11:30	SURVIVAL IN PATIENTS WITH CLASSIC HYPOPLASTIC LEFT HEART SYNDROME VS. DOUBLE OUTLET RIGHT VENTRICLE VARIANTS <b>G.K. Gallardo</b> , R.T. Fedderly, M. Krolkowski, J.S. Tweddell Medical College of Wisconsin, Milwaukee, WI, USA	031
11:45	COMPLETE HEART BLOCK IN CHILDREN AND ADOLESCENTS – SEQUENTIAL PACING ADDS RELEVANT TO CARDIAC OUTPUT <b>C. Pees</b> , J. Hauser, I. Michel-Behnke Pediatric Heart Center, University Hospital of Vienna, Austria	032

## SUNDAY, JULY 24, 2011

Abstract No.

- 12:00 MORPHOLOGY OF PATENT DUCTUS ARTERIOSUS; A PREDICTOR OF THE OUTCOME OF STENTING IN DUCT-DEPENDENT PULMONARY CIRCULATION AN EXPERIENCE IN CHILDREN HOSPITAL, CAIRO UNIVERSITY, EGYPT **033**  
**H.M. Agha**, H. Hamza, A. Esmat, Y. Hussein  
Faculty of Medicine, Cairo University, Cairo, Egypt
- 12:15 TRANSCATHETER DEVICE CLOSURE OF VENTRICULAR SEPTAL DEFECT: A META-ANALYSIS **034**  
**S.C. Quek**, L.W. Khin, B.C. Tai, W. Yip, National University of Singapore, Singapore
- 12:30 ECHOCARDIOGRAPHIC MYOCARDIAL PERFORMANCE (TEI INDEX) ASSESSMENT OF RIGHT VENTRICLE IN HEALTHY NEWBORNS **035**  
**S.S. Sheta**, H. Agha, F.E.A. Udink ten Cate, Cairo University  
Children Hospital, Faculty of Medicine, Cairo, Egypt
- 12:45 ANTI-TACHYCARDIA PACEMAKERS IN CONGENITAL HEART DISEASE **036**  
**A.N. Kamp**, M.J. LaPage, G. Serwer, M. Dick, D.J. Bradley  
University of Michigan, Ann Arbor, MI, USA
- 13:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

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**08:00 – 13:00**

**Poster Hall**

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### **P101 VASCULAR BIOLOGY, BASIC RESEARCH I**

Board No

- 1 IN VITRO HEMORHEOLOGICAL EFFECTS OF RED WINE, ALCOHOL FREE RED WINE EXTRACT AND ALCOHOL **037**  
**A. Toth**, M. Rabai, P. Kenyeres, H.J. Meiselman, K. Toth  
Medical School, University of Pecs, Hungary
- 2 EXPRESSION INCREASE OF TRANSCRIPTION FACTORS KLF4 IN DIFFERENTIATED ENDOTHELIAL PROGENITOR CELLS **038**  
**D. Hongmei**, H. Lan, D. Meng, S. Ming  
Institute of Cardiovascular Disease, XinQiao Hospital,  
Third Military Medical University, ChongQing, China

### **P102 BIOCHEMICAL MARKERS FOR RISK ASSESSMENT IN CARDIOVASCULAR DISEASE**

- 3 ENDOGENOUS GRANULOCYTE COLONY-STIMULATING FACTOR: A BIOMARKER IN ACUTE ISCHEMIC STROKE **039**  
**C.L. Kuo**, S.C. Yu, C.S. Huang, C.S. Chang, C.S. Liu  
Vascular & Genomic Center, Changhua Christian Hospital, Taiwan
- 4 ANTIPHOSPHATIDYL SERINE ANTIBODIES ARE INDEPENDENTLY ASSOCIATED WITH PREMATURE CORONARY EVENTS **040**  
**H.Y. Ali**, Z.A. Abdullah  
Technical & Health Institute-Zakho, College of Medicine,  
University of Mosul, Iraq



## SUNDAY, JULY 24, 2011

### P103 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES I

Board No		Abstract No.
5	<p>MICROVASCULAR RESISTANCE INDEX IMMEDIATELY AFTER PERCUTANEOUS CORONARY INTERVENTION PREDICTS THE PRESENCE OF MICROVASCULAR OBSTRUCTION IN PATIENTS WITH ST-ELEVATION ACUTE MYOCARDIAL INFARCTION ACHIEVING TIMI FLOW GRADE 3 REPERFUSION</p> <p><b>T. Masuno</b>, H. Kitabata, K. Komukai, T. Tanimoto, Y. Ino, K. Hirata, K. Kimura, M. Mizukoshi, T. Imanishi, T. Akasaka Wakayama Medical University, Wakayama, Japan</p>	041
6	<p>INDEX OF MICROCIRCULATORY RESISTANCE AS PREDICTOR FOR MICROVASCULAR FUNCTIONAL RECOVERY IN PATIENTS WITH ANTERIOR MYOCARDIAL INFARCTION: COMPARISON BETWEEN INTRACORONARY WEDGE PRESSURE, ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE IMAGING</p> <p><b>J.H. Koh</b>, S.H. Rheu, S.K. Lim Kwandong University, Goyang, South Korea</p>	042
7	<p>THE CAROTID INTIMA-MEDIA THICKNESS IS A USEFUL PREDICTOR FOR CARDIOVASCULAR EVENTS IN PATIENTS WITH METABOLIC SYNDROME</p> <p><b>J.H. Koh</b>, S.H. Yoo, Kwandong University, Goyang-Si, South Korea</p>	043
8	<p>2-VIEW QUANTITATIVE CORONARY ANGIOGRAPHY (QCA) IN MODERATE LESIONS PREDICTS SEVERE OBSTRUCTION BY CORONARY ULTRASOUND</p> <p><b>C.L. Laham</b>, M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Lukes Hospital, Cedar Rapids, IA, USA</p>	044
9	<p>EVALUATION OF RIGHT VENTRICULAR DEFORMATION IN PATIENTS WITH COPD AND METABOLIC SYNDROME</p> <p><b>S. Stanciu</b>, S. Dumitrescu, C. Cohen, G. Roul, M.A. Bogdan Central Military Hospital, Bucharest, Romania</p>	045
10	<p>FEASIBILITY AND SAFETY OF TRANSRADIAL APPROACH IN A FELLOWSHIP TRAINING PROGRAM</p> <p>W.I. Khalife, Q. Cai, <b>V.K. Mukku</b>, S.A. Gilani University of Texas Medical Branch, Galveston, TX, USA</p>	046
11	<p>CLASSIFICATION AND DIAGNOSTIC IMAGING METHODS OF VASCULAR ACCESS COMPLICATION BY CLOSURE DEVICE</p> <p><b>M. Alipour</b>, D. Masri, A. Mofazzali, N. Alipour Hoag Hospital, Vascular Lab, Newport Beach, CA, USA</p>	047
12	<p>CARDIOVASCULAR SCREENING USING EXERCISE STRESS ECHOCARDIOGRAPHY IN OBESE PATIENTS UNDERGOING BARIATRIC SURGERY</p> <p><b>W.M. Tarhuni</b>, S. Khan, G. Shamim, M.S. Lubanski University of Saskatchewan, Saskatoon, Saskatchewan, Windsor Cardiac Centre, Windsor, ON, Canada</p>	048
13	<p>DISTAL COMMON CAROTID ARTERY INTIMA-MEDIA THICKNESS IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY</p> <p><b>M. Alipour</b>, D. Masri, A. Mofazzali, N. Alipour Hoag Hospital, Vascular Lab, Newport Beach, CA, USA</p>	049

## SUNDAY, JULY 24, 2011

Board No		Abstract No.
14	ANGIOGRAPHIC ASPECTS OF IMPLANTATION OF STEM CELLS IN ISCHEMIC HEART DISEASES <b>A. Barotov</b> , T. Gulmuradov, A. Gailbov, B. Karimzade, M. Khidirov, S. Muminjonov, A. Didory, J. Irgasheva, E. Rizojev, M. Mirshahi Republican Scientific Center of Cardio-vascular Surgery, Dushanbe, Tajikistan	050
<b>P205</b>	<b>THE PLAQUE AND ACUTE CORONARY SYNDROMES</b>	
15	INTRACORONARY THROMBUS AGE AND HOSPITAL OUTCOME OF PATIENTS WITH ACUTE CORONARY SYNDROME WITH ST SEGMENT ELEVATION F. Bosa Ojeda, G. Yanes Bowden, A. Sanchez-Grande Flecha, M.J. Vargas Torres, <b>C. Hernandez Garcia</b> , J.J. Ferrer Hita, A. Rodriguez Gonzalez, M.D. Ravina Cabrera, R.A. Juarez Prera, C. Enjuanes Grau Hospital Universitario de Canarias, Santa Cruz de Tenerife, Spain	051
16	NEOPTERIN, MYELOPEROXIDASE AND C-REACTIVE PROTEIN LEVELS IN ACS PATIENTS <b>M. Adamczyk</b> , R.J. Brashear, S.C. Hsu, P.G. Mattingly Abbott Laboratories, Abbott Park, IL, USA	052
17	EFFECTS OF DYSLIPIDEMIA ON PLAQUE CHARACTERISTICS IN CULPRIT LESIONS OF ACUTE CORONARY SYNDROME K. Otagiri, <b>H. Hioki</b> , S. Kumazaki, Y. Miyashita, S. Asoh, H. Kasai, A. Izawa, T. Tomita, J. Koyama, U. Ikeda Shinshu University, Matsumoto, Japan	053
18	DIRECT RENIN INHIBITOR ALISKIREN IN ACUTE PHASE OF THE LEFT VENTRICULAR MYOCARDIAL INFARCTION: SAFETY AND EFFICIENCY H.G. Hayrapetyan, <b>F.H. Muradyan</b> , MC Ereboundi, Yerevan, Armenia	054
<b>P503</b>	<b>ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY</b>	
19	TIMING OF INTERVENTION IMPACTS ON ONE-YEAR OUTCOMES IN NON-ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION B.W. Kim, <b>K.S. Cha</b> , J.H. Cho, H.W. Lee, M.J. Yang, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong Pusan National University Hospital, Busan, Korea	055
20	ALPHA-1 ANTITRYPSIN PROTECTS MYOCARDIUM FROM REPERFUSION INJURY Z. El-Akawi, <b>S.Y. Khatib</b> Jordan University of Science and Technology, Irbid, Jordan	056
21	WEEKEND VERSUS WEEKDAYS HOSPITAL ADMISSION FOR CARDIOVASCULAR EVENTS: IS MORTALITY DIFFERENT? R. Salmi, D. Imberti, M. Gallerani, <b>R. Manfredini</b> Dept. of Internal Medicine, University of Ferrara, Italy	057

## SUNDAY, JULY 24, 2011

Board No		Abstract No.
22	TREATMENT MYOCARDIAL INFARCTION BY BONE MARROW AUTOLOGOUS STEM CELLS CD 133+ Z. Rakhimov, N. Olimov, <b>N. Navjuvonor</b> , M. Khidirov, S. Muminjonov, A. Didary, J. Irgasheva, A. Barotov, E. Rizojev, M. Mirshahi Republican Scientific Center of Cardiology, Dushanbe, Tajikistan	058
23	GENDER AND ADVANCE AGE DISPARITIES ON ACUTE MYOCARDIAL INFARCTION MANAGEMENT: THE PUERTO RICO HEART ATTACK STUDY <b>H.L. Banchs</b> , J.C. Zevallos, J. Yarzebski, J.A. Gonzalez, M. Garcia-Palmieri, L.R. Pericchi, P.I. Altieri, J. Quevedo, R.J. Goldberg University of Puerto Rico, Medical Sciences Campus, Puerto Rico	059
<b>P104</b>	<b>DIABETES MELLITUS, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL I</b>	
24	INFLUENCE OF NIGHTTIME BLOOD PRESSURE IN THE PREVALENCE OF MASKED HYPERTENSION IN DIABETES A. Moya, E. Sineiro, M.C. Castineiras, S.M. Gomara, A. Mojon, M.J. Fontao, S. Lorenzo, <b>D.E. Ayala</b> , R.C. Hermida, for the Hygia Project Investigators Bioengineering & Chronobiology Labs, University of Vigo, Vigo, Spain	060
25	EFFECTS OF FENOFIBRATE THERAPY ON CIRCULATING ADIPOCYTOKINES IN PATIENTS WITH PRIMARY HYPERTRYGLYCERIDEMIA <b>K.K. Koh</b> , M.J. Quon Gachon University Gil Medical Center, Incheon, Korea	061
26	THE RELATIONSHIP BETWEEN CARDIOVASCULAR RISK FACTORS-SECRETORY PHOSPHOLIPASE A2 (SPLA2)-ARTERIAL STIFFNESS IN METABOLIC SYNDROME (MS) PATIENTS <b>D.T. Zdrengha</b> , A.V. Sitar-Taut, A. Cozma, M. Cebanu, G. Bodisz, D. Pop Rehabilitation Hospital, University of Pharmacy and Medicine, Cluj-Capoca, Romania	062
27	A COMPARISON BETWEEN INSULIN RESISTANCE SCORES PARAMETERS IN IDENTIFYING METABOLIC SYNDROME (MS) PATIENTS <b>D. Pop</b> , A. Siat-Taut, M. Cebanu, O.M. Penciu, G. Bodisz, D.T. Zdrengha University of Pharmacy and Medicine Cluj-Napoca, Romania	063
28	DEPLETED LEUKOCYTE MITOCHONDRIAL DNA COPY NUMBER IN METABOLIC SYNDROME <b>C.S. Liu</b> , C.H. Huang, S.L. Su, W.L. Cheng, C.C. Chang, C.L. Kuo, T.T. Lin Changhua Christian Hospital, Changhua, Taiwan	064
29	PREDICTORS OF 90DAY MORTALITY IN DIABETIC PATIENTS WHO PRESENT WITH ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION <b>B.W. Liew</b> , V.H. Tan, P.P. Goh, C.H. Tan, J. Chow Changi General Hospital, Singapore	065
30	THE PREVALENCE OF METABOLIC SYNDROME IN ACUTE CORONARY SYNDROME PATIENTS WITHOUT A PREVIOUS DIAGNOSIS OF DIABETES <b>R.F. Al-Aqeedi</b> , A.A. Gehani, W.K. Abdulatif, W.K. Dabdoob, A. Bener, H.A. Albinali, Hamad Medical Corporation, Doha, Qatar	066

## SUNDAY, JULY 24, 2011

### P105 CARDIAC PACEMAKERS AND IMPLANTABLE CARADIOVERTER – DEFIBRILLATOR THERAPY

Board No		Abstract No.
31	<p>CHANGE IN PULMONARY ARTERY SYSTOLIC PRESSURE FOLLOWING CARDIAC RESYNCHRONIZATION THERAPY HELPS PREDICT FUTURE HOSPITAL ADMISSIONS FOR CONGESTIVE HEART FAILURE</p> <p><b>P.K. Yadav</b>, J.B. Skibba, J.E. Banchs, L.N. Linton-Frazier, E.D. Penny-Peterson, S.M. Samii, D.L. Wolbrette, M.D. Gonzalez, E.J. Lengerich, G.V. Naccarelli Penn State University, Milton S. Hershey Medical Center, Hershey, PA, USA</p>	067
32	<p>INAPPROPRIATE SHOCKS WITH IMPLANTABLE CARADIOVERTER-DEFIBRILLATOR FOR PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH</p> <p><b>P. Menaria</b>, K. Axtell, C. Kolibash, J. Sra, M. Akhtar, V. Nangia Aurora Sinai/Aurora St. Luke's Medical Centers, University of Wisconsin School of Medicine and Public Health, Milwaukee, WI, USA</p>	068
33	<p>TIME TO FIRST INTERVENTION: IS IT A MORTALITY PREDICTOR IN ICD FOR PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH?</p> <p><b>P. Menaria</b>, K. Axtell, C. Kolibash, N. Mori, J. Sra, M. Akhtar, V. Nangia Aurora Sinai/Aurora St. Luke's Medical Centers, University of Wisconsin School of Medicine and Public Health, Milwaukee, WI, USA</p>	069
34	<p>POLARIZATION POTENTIALS INHIBITING DETECTION OF VENTRICULAR FIBRILLATION</p> <p><b>P.C. Voukydis</b>, D.M. Farmer, K.E. Thomas Harvard Medical School, Cambridge, MA, USA</p>	070
35	<p>CLINICAL OUTCOMES OF ICD IMPLANTATION IN DISTRICT HOSPITAL SETTING: COMPARISON OF PRIMARY AND SECONDARY PREVENTION</p> <p>J.S. Shome, A. Tickle, B. Roomallah, A. Hailan, S. Green, L. Lovedale, <b>M. Asgari</b>, K. Kamalvand William Harvey Hospital, East Kent NHS Trust, Ashford, UK</p>	071
36	<p>PROGNOSTIC IMPACT ON MORTALITY OF MALIGNANT VENTRICULAR TACHYARRHYTHMIA WITHIN 48 HOURS OF ACUTE MYOCARDIAL INFARCTION IN THE SETTING OF INDIVIDUALLY OPTIMIZED THERAPY: THE CAMI MULTICENTER REGISTRY</p> <p><b>K. Seidl</b>, T. Becker Klinikum Ingolstadt, Med. Klinik IV, Ingolstadt, Germany</p>	072
37	<p>SELECTIVE SEROTONIN REUPTAKE INHIBITOR SAFETY IN PATIENTS WITH IMPLANTABLE CARADIOVERTER-DEFIBRILLATORS</p> <p>A. Kundra, A. Elkharbotly, <b>M. Fatima</b>, M. Torosoff Albany Medical Center, Albany, NY, USA</p>	073
38	<p>THE POTENTIAL USE OF ATRIAL ELECTROGRAM MORPHOLOGY AS A SUPRAVENTRICULAR TACHYCARDIA DISCRIMINATOR</p> <p>J. Kim, W. Sauer, <b>S. Desai</b>, M. Magday, E. Altman, R. Jadonath, S. Beldner North Shore University Hospital, Manhasset, NY, USA</p>	074
39	<p>CORONARY SINUS PACING AS AN ALTERNATIVE TO RV PACING IN A PATIENT WITH PERSISTENT LEFT SVC AND ABSENT RIGHT SVC</p> <p><b>G. Baljepally</b>, R. Baljepally, J. Hirsh University of Tennessee Medical Center, Knoxville, TX, USA</p>	075

**PL:03 Plenary Session  
NEW MANAGEMENT STRATEGIES FOR CARDIAC ARRHYTHMIAS**

Chairpersons: **S.M. Al-Khatib**, Durham, NC, USA  
**J.R. Gimbel**, Knoxville, TN, USA

Abstract No.

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|-------|--|-----|
| 14:00 | TOWARD MORE OPTIMAL USE OF PRIMARY PREVENTION IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (Invited Lecture)<br><b>S.M. Al-Khatib</b> , Duke Clinical Research Institute, Durham, NC, USA   | 076 |
| 14:15 | PACING IN THE MAGNETIC RESONANCE IMAGING ENVIRONMENT: CLINICAL AND TECHNICAL CONSIDERATIONS ON COMPATIBILITY (Invited Lecture)<br><b>F. Duru</b> , University Hospital of Zurich, Switzerland  | 077 |
| 14:30 | ABSENCE OF REMODELING BENEFIT OF LV-CRT OVER BIV-CRT IN PATIENTS WITH HEART FAILURE AND WIDE QRS: INSIGHT FROM THE EVALUATION OF RESYNCHRONIZATION THERAPY FOR HEART FAILURE (EARTH) TRIAL (Invited Lecture)<br><b>A. Ducharme</b> , H. Prylutska, F. Harel, E. O’Meara, J. Lavoie, M. White, B. Thibault, Institut de Cardiologie de Montreal, Quebec, Canada | 078 |
| 14:45 | MODIFIED ALTERNATING CURRENT DEFIBRILLATION - A NEW HOME-DEFIBRILLATION TECHNIQUE FOR SUDDEN DEATH (Invited Lecture)<br><b>A.T. Weiss</b> , I. Katz, S. Gorni, S. Rosenheck<br>Hadassah University Hospital, Jerusalem, Israel   | 079 |
| 15:00 | SHOULD ICD TESTING BE PERFORMED AT IMPLANT? (Invited Lecture)<br><b>A. Fischer</b> , Mount Sinai Medical Center, New York, NY, USA   | 080 |
| 15:15 | CONDUCTION DELAY IN THE RIGHT VENTRICLE AS A MARKER FOR RISK STRATIFICATION IN BRUGADA SYNDROME (Invited Lecture)<br><b>M. Takagi</b> , Osaka City University Graduate School of Medicine, Osaka, Japan  | 081 |
| 15:30 | UPDATE ON MRI COMPATIBLE PACING: WHO IS IT RIGHT FOR, AND WHO’S LEFT OUT? (Invited Lecture)<br><b>J.R. Gimbel</b> , Parkwest Hospital, Knoxville, TN, USA  | 082 |
| 15:45 | IS ELECTROPHYSIOLOGIC STUDY MANDATORY TO INDICATE PERMANENT PACING FOR PATIENTS WITH SYNCOPE, BIFASCICULAR BLOCK AND NO SIGNIFICATIVE STRUCTURAL HEART DISEASE? (Invited Lecture)<br><b>M. Álvarez</b> , Hospital Universitario Virgen de las Nieves, Granada, Spain   | 083 |
| 16:00 | REPOLARIZATION ALTERNANS AND TORSADES DE POINTES IN THE ABSENCE OF ISCHEMIA: AN UNUSUAL PHENOMENON<br><b>M. Rahman</b> , A. Bhatia, R. Cooley, J. Sra, M. Akhtar, V. Nangia<br>Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke’s Medical Centers, University of Wisconsin School of Medicine & Public Health, Milwaukee, WI, USA                  | 084 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**PL:04 Plenary Session**  
**ATHEROSCLEROSIS IMAGING IN PRIMARY DETECTION AND PREVENTION OF CORONARY EVENTS**

Chairpersons: **D.S. Berman**, Los Angeles, CA, USA  
**J.M. Gardin**, Hackensack, NJ, USA

Abstract No.

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|-------|---|-----|
| 14:00 | DETECTION OF MYOCARDIAL VIABILITY: MYOCARDIAL CONTRAST ECHOCARDIOGRAPHY (Invited Lecture)<br><b>R. Senior</b> , Royal Brompton Hospital, London, UK   | 085 |
| 14:15 | CLINICAL ROLE OF ATHEROSCLEROSIS IMAGING IN PREDICTING CHD EVENTS (Invited Lecture)<br><b>D.S. Berman</b> , A. Rozanski<br>Cedars Sinai Medical Center, Los Angeles, CA, USA  | 086 |
| 14:30 | IMAGING SUBCLINICAL ATHEROSCLEROSIS (Invited Lecture)<br><b>J.M. Gardin</b> , Hackensack University Medical Center, Hackensack, NJ, USA   | 087 |
| 14:45 | IMAGING FOR PREVENTION: WHAT IS THE ROLE IN CARDIOVASCULAR RISK ASSESSMENT? (Invited Lecture)<br><b>N.D. Wong</b> , University of California, Irvine, CA, USA   | 088 |
| 15:00 | CORONARY ARTERY CALCIUM SCORING TO STRATIFY CHEST PAIN PATIENTS PRESENTING TO THE EMERGENCY DEPARTMENT (Invited Lecture)<br>F. Nabi, S.M. Chang, C.M. Pratt, J. Paraniham, L.E. Peterson, M.E. Frias,<br><b>J.J. Mahmarian</b> , Methodist DeBakey Heart & Vascular Center,<br>The Methodist Hospital, Houston, TX, USA | 089 |
| 15:15 | HYDROGEN SULFIDE, A GASEOUS BIOLOGICAL MEDIATOR WITH CARDIOPROTECTIVE EFFECTS (Invited Lecture)<br><b>C. Szabo</b> , University of Texas Medical Branch, Galveston, TX, USA   | 090 |
| 15:30 | PROGNOSTIC VALUE OF NEGATIVE ADENOSINE CARDIAC MAGNETIC RESONANCE MYOCARDIAL PERFUSION IMAGING IN PATIENTS WITH ACUTE CHEST PAIN<br>R.R. Macwar, G. Yost, A. Marwaha, J. Sartorius, <b>J. Shirani</b><br>Geisinger Medical Center, Danville, PA, USA  | 091 |
| 15:45 | PREVALENCE AND SIGNIFICANCE OF ELECTROCARDIOGRAPHIC CHANGES WITH REGADENOSON-BASED MYOCARDIAL PERFUSION IMAGING STRESS TESTS<br><b>M. Zahid</b> , C.E. Eagan, D.A. Yurko, E.D. Miller, C.D. Missendra<br>University of Pittsburgh, and ExcelaHealth System, Greensburg, PA, USA   | 092 |
| 16:00 | MYOCARDIAL PERFUSION IMAGING IN PRE-OPERATIVE RISK ASSESSMENT OF CANCER PATIENTS UNDERGOING NON-CARDIAC SURGERY<br><b>N. Sthalekar</b> , S. Chandra, A.T. Tong, S.W. Yusuf, W. Wei, D.J. Lenihan,<br>P. Diamond, C. Hanis, Sparrow Hospital, East Lansing, MI and Michigan State University, East Lansing, MI, USA      | 093 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

<b>S23</b>	<b>Session</b>	Abstract No.
	<b>NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES</b>	
	Chairpersons: <b>N.I. Angomachalelis</b> , Thessaloniki, Greece <b>S. Dalla-Volta</b> , Padova, Italy	
14:00	IN THE SETTING OF LVH WITH HYPERTROPHIC CARDIOMYOPATHY SHOULD WE EXPECT TO SEE RVH? A CARDIOVASCULAR MRI STUDY <b>R.W. Biederman</b> , S.B. Grant, J.A. Yamrozik, R.B. Williams, M. Doyle Allegheny General Hospital, Pittsburgh, PA, USA	094
14:15	THERAPEUTIC EFFECTS OF MAPK INHIBITORS ON DILATED CARDIOMYOPATHY IN LMNA N195K MICE <b>T. Tsubouchi</b> , S. Amina, G. Song, R.C. Balijepalli, T.A. Hacker, M.R. Wolff University of Wisconsin-Madison, Madison, WI, USA	095
14:30	DETERIORATED HEART FUNCTION AFTER MYOCARDIAL INFARCTION IN GHRELIN KNOCKOUT MICE <b>Y. Mao</b> , T. Tokudome, K. Otani, I. Kishimoto, K. Kangawa National Cerebral and Cardiovascular Center, Osaka, Japan	096
14:45	CORONARY ARTERY DISEASE AND TAKOTSUBO CARDIOMYOPATHY: CULPRIT OR INNOCENT BYSTANDER? <b>G.A. Delgado</b> , A.G. Truesdell, R.M. Kirchner, R.W. Zuzek, E.V. Pomerantsev, P.C. Gordon, R.A. Regnante, Warren Alpert Medical School of Brown University, Providence, RI, USA	097
15:00	ELECTROCARDIOGRAM IN THE ASSESSMENT OF LEFT ATRIAL ENLARGEMENT AND LEFT VENTRICULAR HYPERTROPHY: COMPARISON WITH TWO-DIMENSIONAL ECHOCARDIOGRAM AND CARDIAC MAGNETIC RESONANCE IMAGING <b>S. Kumar</b> , R.S. Marfatia, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar University of Connecticut Health Center, Farmington, CT, USA	098
15:15	VERAPAMIL AMELIORATES SEPTIC CARDIOMYOPATHY INDUCED BY CECAL LIGATION AND PUNCTURE IN MICE M.R.N. Celes, C.M. Prado, E.C. Campos, L.M. Malvestio, V. Blefari, F.Q. Cunha, H.B. Tanowitz, <b>M.A. Rossi</b> Faculty of Medicine of Ribeirao Preto, USP, Brazil	099
15:30	PATTERN AND SIGNIFICANCE OF DISTRIBUTION OF LEFT VENTRICULAR HYPERTROPHY IN HYPERTROPHIC CARDIOMYOPATHY: COMPARISON BETWEEN ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE IMAGING <b>P.F. Pollice</b> , P.P. Pollice, B.L. Leclercq, Private Clinic, Andria, BT, Italy	100
15:45	SUPPRESSION OF LEFT VENTRICULAR HYPERTROPHY BY PHOSPHODIESTERASE - 5 INHIBITORS: THE ROLE OF CALCINEURIN AND P 38 MAPK <b>S.Y. Khatib</b> , A. Zeidan Department of Physiology, Faculty of Medicine, Jordan University of Science & Technology, Irbid, Jordan	101

## SUNDAY, JULY 24, 2011

		Abstract No.
16:00	CLINICAL AND ECHOCARDIOGRAPHIC PROFILE AND OUTCOMES OF PERIPARTUM CARDIOMYOPATHY: THE PGH EXPERIENCE <b>V.I. Samonte</b> , Q.G. Ngalob, G.D. Mata, F.B. Punzalan, E.B. Reyes UP-Philippine General Hospital, Manila, Philippines	102
16:15	RIGHT VENTRICULAR IMPAIRMENT IN PECTUS EXCAVATUM BY 2D-ECHOCARDIOGRAPHY: A RED HERRING? <b>R.L. Narayan</b> , P. Vaishnava, J. Sanz, V. Fuster The Zena and Michael A. Wiener Cardiovascular Institute, Mount Sinai School of Medicine, New York, NY, USA	103
16:30	LEFT ATRIAL PRESSURE IN LEFT VENTRICULAR DIASTOLIC DYSFUNCTION: IMPLICATIONS OF THE PRESENCE OF LEFT VENTRICULAR HYPERTROPHY <b>S. Kattel</b> , Y. Saito Catholic Health System, State University of New York, Buffalo, NY, USA	104
16:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	



*Tourism Vancouver-John Sinal*



S24

Session

## MOLECULAR CARDIOLOGY, BASIC RESEARCH

Chairpersons: **D.K. Das**, Farmington, CT, USA  
**P.K. Singal**, Winnipeg, Manitoba, Canada

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | ISCHEMIA-REPERFUSION INJURY IS A STRONGER TIME-DEPENDENT STIMULATOR OF CARDIAC PROGENITORS THAN PERMANENT MYOCARDIAL INFARCTION AND PREGNANCY<br><b>R. Genead</b> , H. Fischer, A. Hussain, M. Jaksch, A. Franco-Cereceda, E. Elsheikh, M. Corbascio, C.I.E. Smith, C. Sylven, K.H. Grinnemo<br>Karolinska Institutet, Stockholm, Sweden | 105 |
| 14:15 | INHIBITION OF MITOCHONDRIAL OXIDATIVE STRESS PREVENTS ANGIOTENSIN II MEDIATED ARRHYTHMIC DEATH<br>A.A. Sovari, S. Iravanian, L. Gu, D. Mitchell, E. Jeong, M.G. Bonini, <b>S.C. Dudley, Jr.</b><br>University of Illinois, Chicago, IL, Emory University, Atlanta, GA, USA   | 106 |
| 14:30 | PLASMIN-ACTIVATED DENDRITIC CELLS PRODUCE IL-12 AND PROMOTE A TYPE 1 RESPONSE IN T HELPER CELLS<br><b>T. Syrovets</b> , X. Li, F. Genze, T. Simmet<br>Ulm University Medical Center, Ulm, Germany  | 107 |
| 14:45 | SINGLE CHANNEL BEHAVIOUR OF I <sub>Ks</sub> AND LQT1 MUTATIONS IN THE S3 HELIX OF KCNQ1<br>D. Werry, Z. Wang, J. Eldstrom, N. Wong, <b>D. Fedida</b><br>University of British Columbia, Vancouver, BC, Canada  | 108 |
| 15:00 | SUBCELLULAR BASIS OF VITAMIN C PROTECTION AGAINST DOXORUBICIN INDUCED CHANGES IN CARDIOMYOCYTES<br><b>A. Ludke</b> , A.K. Sharma, A.K. Bagchi, A. Bajaj, P.K. Singal<br>Faculty of Medicine, University of Manitoba, Winnipeg, Canada  | 109 |
| 15:15 | REGULATION OF PTEN IN RESPONSE TO HYPOXIA<br>Y. Ye, J. Qian, A.C. Castillo, J.R. Pere-Polo, <b>Y. Birnbaum</b><br>University of Texas Medical Branch, TX, USA  | 110 |
| 15:30 | IS LATE ONSET OF CORONARY ARTERY DISEASE IN NORTH INDIANS ASSOCIATED WITH 3'APOB-VNTR POLYMORPHISM?<br><b>H. Rai</b> , N. Singh, S. Kumar, A. Kapoor, S. Agrawal, N. Sinha<br>Sanjay Gandhi PGIMS, Lucknow, UP, India  | 111 |
| 15:45 | LACK OF ASSOCIATION BETWEEN GLU298ASP POLYMORPHISM AND CORONARY ARTERY DISEASE IN NORTH INDIANS<br><b>H. Rai</b> , A. Kapoor, A.K. Sharma, S. Mastana, S. Agrawal, N. Sinha<br>Sanjay Gandhi PGIMS, Lucknow, India   | 112 |
| 16:00 | THE ROLE OF K <sup>+</sup> CHANNELS IN THE REGULATION OF EXCITABILITY AND CONTRACTILITY OF RAT PULMONARY AND MESENTERIC ARTERIES<br><b>M.M. Rahman</b> , M.I. Harhun, A.J. McNeish, V.S. Telezkin, S.V. Smirnov<br>University of Bath, Bath, UK  | 113 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**PL:05 Plenary Session**

**GENES, GENETICS AND GENOMICS - FRIENDS AND FOES**

Chairpersons: **L.C. Becker**, Baltimore, MD, USA  
**K.N. Pandey**, New Orleans, LA, USA

Abstract No.

16:45	CLINICAL APPLICATION OF GENETIC AND MOLECULAR MEDICINE IN ACUTE CORONARY SYNDROME (Invited Lecture) <b>L.C. Becker</b> , Johns Hopkins University School of Medicine, Baltimore, MD, USA	114
17:00	NPR1 GENE PROVIDES THE PROTECTIVE MECHANISMS IN CARDIOVASCULAR EVENTS (Invited Lecture) <b>K.N. Pandey</b> , Tulane University School of Medicine, New Orleans, LA, USA	115
17:15	GENETICS OF CAD - WHERE DO WE STAND? (Invited Lecture) <b>M.P. Reilly</b> , University of Pennsylvania Medical Center, Philadelphia, PA, USA	116
17:30	ECONOMIC ANALYSIS OF THE FAILING HUMAN HEART (Invited Lecture) <b>J.L. Hall</b> , R. John, K. Liao, N. Turner, P. Barton, C. McTiernan, A. Mackey Heart Institute University of Minnesota, MN, USA	117
17:45	MICRORNA-1 INHIBITS MYOCARDIN-INDUCED CONTRACTILITY OF HUMAN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture) <b>X.L. Zheng</b> , The University of Calgary, Calgary, AB, Canada	118
18:00	FUTURE MEDICINE, SYSTEM BIOLOGY, AND MICROCIRCULATION (Invited Lecture) <b>M. Navab</b> , David Geffen School of Medicine at UCLA, Los Angeles, CA, USA	119
18:15	REGULATION OF THE INDEPENDENT CARDIOVASCULAR RISK FACTOR ADMA: LESSON FROM MULTIPLE DDAH1 GENE DEFICIENT MOUSE STRAINS (Invited Lecture) <b>Y. Chen</b> , University of Minnesota, Minneapolis, MN, USA	120
18:30	HYPOXIA-INDUCED INHIBITION OF ANGIOGENESIS - THE ROLE OF RGC-32 (Invited Lecture) <b>J. Li</b> , BIDMC/ Harvard Medical School, Boston, MA, USA	121
18:45	PI3K SIGNALING AND HEART DISEASE (Invited Lecture) <b>G.Y. Oudit</b> , University of Alberta, Edmonton, Canada	122
19:00	ROLE OF CCR5 GENE POLYMORPHISM IN CORONARY ARTERY DISEASE AMONG NORTH INDIANS <b>H. Rai</b> , N. Singh, S. Kumar, A. Kapoor, S. Agrawal, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	123
19:15	IL-1 BETA -511 C/T POLYMORPHISM AS A RISK FACTOR FOR CORONARY ARTERY DISEASE IN NORTH INDIAN POPULATION <b>H. Rai</b> , S. Kumar, A. Kapoor, A.K. Sharma, S. Agrawal, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	124

<b>PL:06</b>	<b>Plenary Session</b>	
<b>REVASCULARIZATION IN HIGH-RISK POPULATIONS / ENDOVASCULAR INTERVENTIONS</b>		
	Chairpersons: <b>U. Thadani</b> , Oklahoma City, OK, USA <b>G.W. Vetrovec</b> , Richmond, VA, USA	Abstract No.
16:45	NEW TREATMENT OPTIONS FOR TREATING PATIENTS WITH STABLE ANGINA (Invited Lecture) <b>U. Thadani</b> , University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA	125
17:00	ROBOTIC PCI: EARLY EXPERIENCE USING THE CORPATH, REMOTE DELIVERY SYSTEM (Invited Lecture) <b>G.W. Vetrovec</b> , Virginia Commonwealth University, Richmond, VA, USA	126
17:15	CURRENT STATUS OF PERCUTANEOUS TREATMENT OF LEFT MAIN DISEASE (Invited Lecture) <b>B.F. Uretsky</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA	127
17:30	THE CREST STUDY: UNEXPECTED LESSONS ON STROKE PREVENTION AND LARGE CLINICAL TRIALS (Invited Lecture) <b>J.D. Marsh</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA	128
17:45	REMOVAL OF IODINE CONTRAST FROM CORONARY SINUS FOR PREVENTION OF CONTRAST INDUCED NEPHROPATHY (Invited Lecture) <b>M.R. Movahed</b> , University of Arizona Sarver Heart Center, AZ, USA	129
18:00	BLEEDING AND ISCHEMIA AFTER PCI - MORE CONNECTED THAN YOU THINK (Invited Lecture) <b>S.J. Brener</b> , Cardiac Catheterization Laboratory NY Methodist Hospital, Brooklyn, NY, USA	130
18:15	PROGNOSTIC IMPACT OF CTO IN PATIENTS WITH REFRACTORY ANGINA (Invited Lecture) <b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA	131
18:30	ENDOVASCULAR TREATMENT OF PERIPHERAL ARTERIAL DISEASE (Invited Lecture) <b>S. Banerjee</b> , D.L. Tran, T. Oladunni, E.S. Brilakis VA North Texas Healthcare System, Dallas, TX, USA	132

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## Session

## SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL

Chairpersons: **R.C. Bourge**, Birmingham, AL, USA**G.L. Fung**, San Francisco, CA, USA

Abstract No.

- 16:45 DIETARY NITRATE, VIA BIOACTIVATION TO NITRITE, LOWERS BLOOD PRESSURE IN ESSENTIAL HYPERTENSION **133**  
V. Kapil, A.B. Milsom, V. Pearl, S. Maleki-Toyserkani, M. Yousuf, R. MacAllister, N. Benjamin, A.J. Webb, A.J. Hobbs, **A. Ahluwalia**  
Barts & The London Medical School, London, UK
- 17:00 PULMONARY ARTERIAL HYPERTENSION: CHANGES IN SURVIVAL OVER TIME **134**  
**C.M. Larsen**, R.J. Le, R.P. Frantz, M.D. McGoon, G.C. Kane  
Mayo Clinic, Rochester, MN, USA
- 17:15 DISCORDANT IDENTIFICATION OF MASKED HYPERTENSION BASED ON DAYTIME OR NIGHTTIME PRESSURE IN CHRONIC KIDNEY DISEASE **135**  
**R.C. Hermida**, A. Otero, L. Piñeiro, D.E. Ayala, A. Moya, E. Sineiro, M.J. Fontao, A. Mojón, J.R. Fernández, for the Hygia Project Investigators  
Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain
- 17:30 NEBIVOLOL AND ATENOLOL HAVE DISTINCT EFFECTS ON HYPERTENSION-INDUCED ALTERATIONS IN MICR-RNA LEVELS IN THE AORTA **136**  
**Y. Birnbaum**, J. Qian, J.R. Perez-Polo, Y. Ye  
University of Texas Medical Branch, Galveston, TX, USA
- 17:45 NATRIURETIC PEPTIDES PREVENT THE PULMONARY HYPERTENSION & RIGHT VENTRICULAR HYPERTROPHY ASSOCIATED WITH PULMONARY FIBROSIS **137**  
R.S. Baliga, C.J. Scotton, S.L. Trinder, R.C. Chambers, R.J. MacAllister, **A.J. Hobbs**, University College London, UK
- 18:00 EFFECTS ON AMBULATORY BLOOD PRESSURE OF ADDING ASPIRIN AT BEDTIME IN TREATED HYPERTENSIVE SUBJECTS **138**  
D.E. Ayala, **R.C. Hermida**  
Bioengineering & Chronobiology Labs., University of Vigo, Vigo, Spain
- 18:15 LEFT VENTRICULAR MASS CORRELATES WITH ABNORMAL PEAK FILLING RATE BY CARDIAC MAGNETIC RESONANCE IMAGING IN HYPERTENSIVE PATIENTS WITH NORMAL ECHOCARDIOGRAPHIC DIASTOLIC PARAMETERS **139**  
**R.S. Marfatia**, S. Kumar, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar  
University of Connecticut Health Center, Farmington, CT, USA
- 18:30 PULMONARY HYPERTENSION REMAINS A DEADLY DISEASE: INSIGHTS FROM THE ARADALE ECHO STUDY **140**  
**G.A. Strange**, D.A. Playford, S. Stewart, A. Kent, J.A. Deague, E. Gabbay  
Monash University, Melbourne, Victoria, Australia

18:45	ALISKIREN ALONE OR IN COMBINATION WITH HYDROCHLOROTHIAZIDE IN PATIENTS WITH THE LOWER RANGES OF STAGE 2 HYPERTENSION: THE ACQUIRE RANDOMIZED, DOUBLE-BLIND STUDY H.R. Black, <b>F.A. Aguirre Palacios</b> , M. Bijarnia, A.K. Laflamme, F. Baschiera Hospital Militar de Guayaquil HD-II-DE "Libertad", Guayaquil, Guayas, Ecuador	141
19:00	THE INFLUENCE OF METEOROLOGICAL PARAMETERS ON THE OCCURENCE OF HYPERTENSIVE URGENCY AND EMERGENCY C. Koppe, J. Ghafoor, S. Springer, D. Arndt, H. Schilling, A. Muegge, <b>J. Boergel</b> , Katharinen Hospital, Unna, Germany	142

13:30 – 18:30

Poster Hall

**P301 INTERVENTIONAL CARDIOLOGY I**

Board No

1	ONE-YEAR OUTCOMES OF TRANSRADIAL VERSUS TRANSFEMORAL INTERVENTION IN ACUTE MYOCARDIAL INFARCTION <b>K.S. Cha</b> , H.W. Lee, M.J. Yang, B.W. Kim, J.H. Choi, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong National University Hospital, Busan, Korea	143
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34	<p>ECONOMIC IMPACT OF SAME DAY DISCHARGE AFTER ELECTIV PERCUTANEOUS CORONARY INTERVENTION <b>P. Muthusamy</b>, D. Busman, D. Berndt, A. Beekman, D. Wohns Spectrum Health, Grand Rapids, MI, USA</p>	176
35	<p>CLINICAL MANAGEMENT OF A HIGH RISK DIABETIC POPULATION UNDERGOING PERCUTANEOUS CORONARY INTERVENTION <b>P.F. Pollice</b>, P.P. Pollice, B.L. Leclercq Private Clinic, Andria, BT, Italy</p>	177
36	<p>CLINICAL PRACTICE AND WORKUP OF THE SYNCOPE PATIENT: APPLICATION OF THE AHA/ACC GUIDELINES AND EVIDENCE BASED PRACTICE TO CLINICAL MEDICINE: ARE WE PASSING THE GRADE? <b>F.A. Fakorede</b>, B.A. Waldman, T.B. Cartwright, A.K. Patel, E.L. Iliadis Division of Cardiology, Cooper University Hospital, Camden, NJ, USA</p>	178
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39	<p>IS P WAVE DURATION ON 12-LEADS ECG USEFUL TO SELECT ISCHEMIC STROKE PATIENTS FOR 24 HOURS AMBULATORY HOLTER MONITORING? <b>K. Chee</b>, D. Coles, D. McGill The Prince Charles Hospital, Brisbane, Queensland, Australia</p>	181
40	<p>UNCLAIMED ELECTROCARDIOGRAM REPORTS AT THE INPATIENT CHARITY AREAS OF A TERTIARY HOSPITAL (THE ERICA STUDY) <b>J.D.A. Magno</b>, M.O. Matulac, E.B. Reyes Department of Medicine, UP-Philippine General Hospital, Manila, Philippines</p>	182
41	<p>SECURING FOLLOW-UP APPOINTMENTS FOR ACUTE CONGESTIVE HEART FAILURE (CHF) PATIENTS TO PREVENT READMISSIONS W. Htun, <b>O. Al-Awwad</b>, A. Saxena Lutheran Medical Center, Brooklyn, NY, USA</p>	183





INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011  

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VANCOUVER, BC, CANADA, July 23-26, 2011

**SCIENTIFIC  
PROGRAM**

Monday, July 25, 2011

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# MONDAY, JULY 25, 2011

08:30 – 11:15

Hall A

PL:07	<b>Plenary Session</b> <b>ADVANCED DIAGNOSTIC METHODS AND IMAGING TECHNIQUES / ECHOCARDIOGRAPHY</b>	
	Chairpersons: <b>S.F. Nagueh</b> , Houston, TX, USA <b>N.C. Nanda</b> , Birmingham, AL, USA	Abstract No.
08:30	ASSESSMENT OF CARDIAC IRON OVERLOAD BY MAGNETIC RESONANCE (Invited Lecture) <b>R. Krittayaphong</b> , Siriraj Hospital, Mahidol University, Bangkok, Thailand	184
08:45	NEW OPTIONS IN NONINVASIVE ASSESSMENT OF LEFT VENTRICULAR TORSION (Invited Lecture) <b>J.N. Bella</b> , Bronx -Lebanon Hospital Center, NY, USA	185
09:00	HEMODYNAMIC ASSESSMENT BY ECHOCARDIOGRAPHY (Invited Lecture) <b>S.F. Nagueh</b> , Methodist DeBakey Heart Center, Houston, TX, USA	186
09:15	RECENT ADVANCES IN ECHOCARDIOGRAPHY (Invited Lecture) <b>N.C. Nanda</b> , University of Alabama, Birmingham, AL, USA	187
09:30	THE ROLE OF TRANSESOPHAGEAL ECHOCARDIOGRAPHY IN ACUTE AORTIC SYNDROMES (Invited Lecture) <b>E. Bossone</b> , Cava de Tirreni & Amalfi Coast Hospital, Italy	188
09:45	X-RAY FUSED WITH MRI FOR DELIVERY OF STEM CELLS TO THE PERICARDIAL SAC (Invited Lecture) <b>D.L. Kraitchman</b> , Johns Hopkins University School of Medicine, Baltimore, MD, USA	189
10:00	ADVANCE APPLICATIONS OF CARDIOVASCULAR MRI: FOCUS ON CONTRAST IMAGING OF THE MYOCARDIUM (Invited Lecture) <b>R.W. Biederman</b> , Allegheny General Hospital, Pittsburgh, PA, USA	190
10:15	EMERGING NONINVASIVE METHODS FOR ASSESSMENT OF MYOCARDIAL VISCO ELASTICITY (Invited Lecture) <b>C. Pislaru</b> , M.W. Urban, J.F Greenleaf Mayo Clinic College of Medicine, Rochester, MN, USA	191
10:30	ECHOCARDIOGRAPHY IN THE CATH LAB - A TEAM APPROACH TO PERCUTANEOUS VALVULAR INTERVENTIONS (Invited Lecture) <b>S.V. Pislaru</b> , Mayo Clinic College of Medicine, Rochester, MN, USA	192
10:45	STRESS ECHOCARDIOGRAPHY IN CLINICAL PRACTICE (Invited Lecture) <b>M. Prokudina</b> , Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia	193
11:00	TWO-DIMENSIONAL INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING (Invited Lecture) <b>M.A. Calfon</b> , Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA	194
11:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

<b>PL:08</b>	<b>Plenary Session</b>	
	ATHEROSCLEROSIS: PATHOGENESIS AND NOVEL THERAPEUTIC TARGETS	
	Chairpersons: <b>S.D. Gertz</b> , Jerusalem, Israel <b>J.L. Mehta</b> , Little Rock, AR, USA	
		Abstract No.
08:30	THE PIVOTAL ROLE OF ENDOTHELIAL DYSFUNCTION IN CARDIOVASCULAR DISEASES - A NANOMEDICAL APPROACH (Invited Lecture) Z. Kwias, <b>T. Malinski</b> , Ohio University, Athens, OH, USA	195
08:45	HEMODYNAMIC FORCES IN THE PATHOGENESIS OF ABDOMINAL AORTIC ANEURYSM (Invited Lecture) <b>S.D. Gertz</b> , Hebrew University Hadassah Medical School, Jerusalem, Israel	196
09:00	MICRORNA IN THE REGULATION OF OXIDATIVE STRESS AND INFLAMMATION ASSOCIATED WITH CAD (Invited Lecture) <b>P. Holvoet</b> , D. De Keyzer, M. Hulsmans Katholieke Universiteit Leuven, Belgium	198
09:15	REGULATION OF CORONARY VASOMOTOR FUNCTION BY OXIDATIVE STRESS (Invited Lecture) <b>L. Kuo</b> , N. Thengchaisri, T.W. Hein Texas A&M Health Science Center, Temple, TX, USA	199
09:30	ASSOCIATIONS OF MODIFIED LDLs WITH ATHEROSCLEROSIS AND CARDIOVASCULAR DISEASE IN PATIENTS WITH END-STAGE KIDNEY DISEASE (Invited Lecture) <b>A.G. Basnakian</b> , M.L. Eigenbrodt, E. Ok, E.O. Apostolov, G. Asci, S.S. Ozbek, D. Ray, S.V. Shah University of Arkansas for Medical Sciences, Little Rock, AR, USA	200
09:45	NOVEL ROLE OF IMMUNOGLOBULIN E IN ATHEROSCLEROSIS (Invited Lecture) J. Wang, <b>G-P. Shi</b> , Brigham and Women's Hospital, Boston, MA, USA	201
10:00	INTERLEUCIN - 6: A STRONG PREDICTOR OF CORONARY ATHEROSCLEROSIS EXTENT AND SEVERITY (Invited Lecture) <b>S.N. Koulouris</b> , Evangelismos Hospital, Athens, Greece	202
10:15	BLOCKADE OF THE RENIN-ANGIOTENSIN SYSTEM INHIBITS C-REACTIVE PROTEIN MEDIATED VASCULAR INJURY <b>A.J. Szalai</b> , C. Pierce, W. Zhang, D. Xing, Y-F. Chen, M.A. McCrory, S. Oparil, F.G. Hage, University of Alabama at Birmingham, Birmingham, AL, USA	203
10:30	PLAQUE MORPHOLOGY OF ACUTE CORONARY SYNDROME ASSESSED BY OCT <b>T. Akasaka</b> , T. Kubo, M. Mizukoshi, K. Hirata, H. Kitabata, Y. Ino, T. Tanimoto, K. Komukai, K. Ishibashi, T. Imanishi Wakayama Medical University, Wakayama, Japan	204
10:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**S26 Session**  
**NEW DIRECTIONS IN CARDIAC SURGERY**

Chairpersons: **R. Hetzer**, Berlin, Germany  
**W. Mohl**, Vienna, Austria

Abstract No.

08:30	PERICARDIECTOMY VERSUS MEDICAL TREATMENT FOR THE MANAGEMENT OF RELAPSING PERICARDITIS <b>M.H. Khandaker</b> , K.L. Greason, N.S. Anavekar, R.E. Espinosa, S.N. Hayes, R.A. Nishimura, H.V. Schaff, J.K. Oh Mayo Clinic and Mayo Foundation, Rochester, MN, USA	205
08:45	IMPROVING CORONARY SURGERY FOR DIABETICS: ADDING A RADIAL ARTERY GRAFT INCREASES LONG TERM SURVIVAL <b>D.M. Hoffman</b> , H. De Castro, K.R. Dimitrova, C.M. Geller, P. Friedmann, R.F. Tranbaugh, Beth Israel Medical Center, New York, NY, USA	206
09:00	IMPACT OF RENAL INJURY ON CLINICAL OUTCOMES FOLLOWING TRANSAPICAL AORTIC VALVE IMPLANTATION <b>J.M. Kim</b> , J.L. Soon, A. Cheung, S.V. Lichtenstein, D. Wood, J.G. Webb, J. Ye St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada	207
09:15	CORONARY ARTERY BYPASS SURGERY IN WOMEN: THE ROLE OF RADIAL ARTERY GRAFTING <b>K.R. Dimitrova</b> , D.M. Hoffman, C.M. Geller, P. Friedmann, H. DeCastro, W. Ko, R.F. Tranbaugh, Beth Israel Medical Center, New York, NY, USA	208
09:30	RESULTS OF URGENT CABG AFTER CLOPIDOGREL LOADING DOSE IN ACUTE CORONARY SYNDROMES <b>G.B. Blossom</b> , J. Lehoux, R. Soans, L. Shaffer, D.R. Watson Riverside Methodist Hospital, Columbus, OH, USA	209
09:45	SUCCESSFUL TWELVE HOURS OF CARDIAC PRESERVATION WITH CUSTODIOL-N, A NOVEL ORGAN PROTECTION SOLUTION IN AN ORTHOTOPIC HEART TRANSPLANTATION MODEL <b>G. Szabo</b> , G. Veres, T. Radovits, B. Schmack, A. Weymann, M. Karck, F. Horkay, I. Hartyanszky Department of Cardiac Surgery, University of Heidelberg, Heidelberg, Germany	210
10:00	ROBOT-ASSISTED VASCULAR SURGERY TODAY <b>P. Stadler</b> , L. Dvoracek, P. Vitasek, P. Matous Na Homolce Hospital, Prague, Czech Republic	211
10:15	WHICH IS BETTER: SKELETONIZED OR PEDICLED IMA-HARVESTING TECHNIQUES A. Erkin, S. Sarikaya, A. Elibol, E. Aksoy, A. Ak, H. Sacli, M. Dedemoglu, I. Mataraci, M. Sismanoglu, <b>K. Kirali</b> , Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	212
10:30	PREVALENCE AND DETERMINANTS OF ELECTRICAL ALTERNANS IN PATIENTS WITH CARDIAC TAMPONADE A. Kumar, A. Brofferio, <b>J. Shirani</b> , Geisinger Medical Center, Danville, PA, USA	213

## MONDAY, JULY 25, 2011

Abstract No.

- 10:45 OUTCOMES OF AORTIC VALVE REPLACEMENT VIA RIGHT MINI-THORACOTOMY VS. MEDIAN STERNOTOMY AFTER PRIOR CARDIAC SURGERY **214**  
**A.M. Pineda**, O. Santana, J. Reyna, A. Sarria, G.A. Lamas, J. Lamelas  
Mount Sinai Heart Institute, Miami Beach, FL, USA
- 11:00 INDUCTION IMMUNOSUPPRESSION WHEN DRIVELINE INFECTION IS THE INDICATION FOR CARDIAC TRANSPLANTATION **215**  
**A.J. Voelkel**, K.C. McCants, U. Sharma, M.L. Williams, S.D. Prabhu, E.J. Birks, M.S. Slaughter, University of Louisville, Louisville, KY, USA
- 11:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

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**08:30 – 11:30**

**Hall D**

**S27**

**Session**

**SECONDARY PREVENTION, MODIFICATION OF LIPOPROTEINS, PROGNOSIS, RISK STRATIFICATION**

Chairpersons: **Y. Charuzi**, Los Angeles, CA, USA  
**N.D. Wong**, Irvine, CA, USA

- 08:30 ADHERENCE TO DRUGS THAT PREVENT CARDIOVASCULAR DISEASE: A META-ANALYSIS **216**  
**H. Naderi**, J.P. Bestwick, D.S. Wald  
Queen Mary University of London, London, UK
- 08:45 CAROTID PLAQUE THICKNESS IS SUPERIOR TO CAROTID INTIMA-MEDIA THICKNESS IN PREDICTING CORONARY ARTERY DISEASE SEVERITY IN A MIDDLE - AGED PATIENT POPULATION **217**  
K. Triantafyllou, P. Symeonides, S. Pastromas, H. Anninos, **S.N. Koulouris**  
Evangelismos Hospital, Athens, Greece
- 09:00 COPEs II RANDOMIZED CONTROLLED TRIAL – 1-YEAR NON-FATAL MYOCARDIAL INFARCTION AND MORTALITY RESULTS **218**  
**K.W. Davidson**, N. Rieckmann, I. Kronish, S. Ye, C. Batres, J.E. Schwartz, M.M. Burg, Columbia University Medical Center, New York, NY, USA
- 09:15 IMPACT OF EPICARDIAL ADIPOSE TISSUE VOLUME ON CARDIAC SIZE DETERMINED BY CHEST ROENTGENOGRAM **219**  
N.C. Baker, C. Assal, **J. Shirani**  
Geisinger Medical Center, Danville, PA, USA
- 09:30 AFRICAN-ANCESTRY PATIENTS WITH HYPERLIPIDEMIA HAVE A HIGH PREVALENCE OF HYPERTENSION AND TYPE II DIABETES; RESULTS FROM THE CEPHEUS SOUTH AFRICA STUDY **220**  
**C.L. Schamroth**, D. Raal, G. Vandenhoven, A-M. Temmerman  
Dept. of Cardiology, Milpark Hospital, Johannesburg, Gauteng, South Africa



## MONDAY, JULY 25, 2011

Abstract No.

- 09:45 CONTROL OF HYPERLIPIDEMIA AND PRESENCE OF CARDIOVASCULAR RISK FACTORS IN SOUTH AFRICAN WOMEN; RESULTS FROM THE CEPHEUS SOUTH AFRICA STUDY  
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**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY /  
CONGENITAL HEART DISEASE**

Chairpersons: **J.A. Eleftheriades**, New Haven, CT, USA

**T.F. Feltes**, Columbus, OH, USA

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- |       |   |     |
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| 11:30 | THE IMPACT OF OBESITY AND OTHER CARDIOVASCULAR RISK FACTORS IN ADULTS WITH CONGENITAL HEART DEFECTS (Invited Lecture)<br><b>A.T. Yetman</b> , University of Utah, Salt Lake City, UT, USA   | 229 |
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**ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT**

Chairpersons: **J.H. Chesebro**, Worcester, MA, USA  
**J.G. Filep**, Montreal, Quebec, Canada

Abstract No.

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| 11:00 | DIFFERENTIATING STEMI FROM NON-ISCHEMIC ST ELEVATION IN PATIENTS PRESENTING WITH CHEST PAIN (Invited Lecture)<br><b>Y. Birnbaum</b> , V. Tran, H.D. Huang, J.G. Diez, G. Kalife, R. Goswami, D. Paniagua, H. Jneid, S.R. Sherron, J.M. Wilson, Baylor College of Medicine, Houston, TX, USA                 | 237 |
| 11:15 | C-REACTIVE PROTEIN AND ACUTE CORONARY ARTERY DISEASE: CRP'S STRUCTURE AFFECTS FUNCTION (Invited Lecture)<br><b>J.G. Filep</b> , Maisonneuve-Rosemont Hospital, Montreal, Quebec, Canada   | 238 |
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**ARRHYTHMIA I: SUDDEN CARDIAC DEATH/ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY**

Chairpersons: **L. Mestroni**, Aurora, CO, USA  
**A.T. Weiss**, Jerusalem, Israel

Abstract No.

- |       |   |     |
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28	CORRELATION BETWEEN PCWP AND LVEDP IN PATIENTS WITH PULMONARY HYPERTENSION <b>V.K. Mukku</b> , W.I. Khalife, R. Merla University of Texas Medical Branch, Galveston, TX, USA	295
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30	CARDIAC MAGNETIC RESONANCE IMAGING ASSESSMENT OF RIGHT-TO-LEFT VENTRICULAR INTERACTION IN SLEEP APNEA PATIENTS WITH NORMAL PULMONARY PRESSURE <b>R.S. Marfatia</b> , S. Kumar, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar University of Connecticut Health Center, Farmington, CT, USA	297

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Board No		Abstract No.
31	DEVELOPMENT OF A CONTINUOUS MONITORING TECHNIQUE TO MEASURE ADEQUACY OF VENTILATION <b>J.E. Freeman</b> , A. Panasyuk, M. Lalli, S.V. Panasyuk, A. Nagpal, N. Steiger, J. Toy, A. Mattfolk, R. Lew Respiratory Motion, Lexington, MA, USA	298
32	PULMONARY HYPERTENSION IS A COMMON DISEASE: THE ARMADALE ECHO STUDY <b>G.A Strange</b> , D.A Playford, S. Stewart, A. Kent, J.A. Deague, E. Gabbay Monash University, Melbourne, Victoria, Australia	299
33	OBESITY IS STRONGLY ASSOCIATED WITH PRESENCE OF PULMONARY EMBOLISM <b>M.R. Movahed</b> , M. Hashemzadeh, M.R. Habibzadeh University of Arizona Sarver Heart Center, AZ, USA	300
34	ARE WE FOLLOWING PATIENT WITH PULMONARY EMBOLISM WELL ENOUGH? <b>A. Shah</b> , M. Uddin, B. Bhushan, N.P. Waterfield, E. Subkovas, P.K. Das, C.M. Bellamy, Glan Clwyd Hospital, Bodelwyddan, UK	301
<b>P307</b>	<b>SYNCOPE</b>	
35	DIAGNOSTIC PATTERNS AND MEDICAL COSTS IN THE EVALUATION OF SYNCOPE PATIENTS AT EMERGENCY DEPARTMENT <b>H. Yoon</b> , H.G. Song, J.S. Kim, M.J. Kang, J.U. Na, T.G. Shin, M.S. Sim, I.J. Jo, K.J. Song, Y.K. Jeong Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea	302
<b>P306</b>	<b>CARDIAC ARREST AND SUDDEN CARDIAC DEATH</b>	
36	IS QT-PROLONGATION A CHARACTERISTIC FEATURE OF SEVERE ANOREXIA NERVOSA <b>U.N. Sagar</b> , M.J. Krantz, A.L. Sabel, C.S. Long, J.T. Barbey, K.V. White, J.L. Gaudiani, P.S. Mehler Denver Health Medical Center and University of Colorado, Denver, CO, USA	303
37	EFFECTS OF THERAPEUTIC HYPOTHERMIA ON MYOCARDIAL REPOLARIZATION <b>T.A. Waters</b> , V.K. Khurana, M.P. Liakos, M.T. Torosoff Albany Medical Center, Albany, NY, USA	304
38	ANALYSIS OF CARDIOVASCULAR MORBIDITY AND SUDDEN DEATH RISK WITH RISPERIDONE AND PALIPERIDONE S. Gopal, D.W. Hough, K. Karcher, I. Nuamah, J. Palumbo, J.A. Berlin, A. Baseman, Y. Xu, <b>J. Kent</b> Janssen Research & Development, Titusville, NJ, USA	305

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Board No		Abstract No.
39	DAILY FLUCTUATIONS OF MICROVOLT T-WAVE ALTERNANS AS A MARKER FOR RISK ASSESSMENT IN BRUGADA SYNDROME <b>K. Suzuki</b> , T. Takagi, K. Maeda, H. Tatsumi, M. Yoshiyama Osaka City University, Osaka, Japan	306
<b>P509</b>	<b>CARDIAC ELECTROPHYSIOLOGY – ARRHYTHMIA ASSESSMENT AND PREVENTION</b>	
40	SIGNIFICANT ASSOCIATION OF RS13376333 IN KCNN3 ON CHROMOSOME 1Q21 WITH ATRIAL FIBRILLATION IN A TAIWANESE POPULATION <b>S.H. Chang</b> , J.J. Hwang, F.T. Chiang, C.D. Tseng, J.K. Lee, L.P. La, J.L. Lin, C.K. Wu, C.T. Tsai Lotung Poh-Ai Hospital, Yilan, Taiwan	307
41	ADENOSINE INDUCED LEFT ATRIAL- PULMONARY VEINS RECONDUCTION AFTER WIDE CIRCUMFERENTIAL ANTRUM ABLATION FOR PULMONARY VEIN ISOLATION USING REMOTE MAGNETIC CATHETER S.J. Pollak, J. Forsyth, H. Seckel, <b>G. Monir</b> Arrhythmia and Ablation Center, Florida Hospital Cardiovascular Institute, Orlando, FL, USA	308
42	CHALLENGES IN THE ADOPTION OF REMOTE MAGNETIC NAVIGATION TO PEDIATRIC ELECTROPHYSIOLOGY PRACTICE <b>A.C. Kean</b> , A.N. Kamp, M.J. LaPage, M. Dick, D.J. Bradley The University of Michigan, Ann Arbor, MI, USA	309
43	COMPARISON OF METOPROLOL VS. CARVEDILOL AS A PROPHYLAXIS FOR THE PREVENTION OF POST CABG ATRIAL FIBRILLATION M.F. Khan, <b>M.R. Movahed</b> University of Arizona Sarver Heart Center, Tucson, AZ, USA	310
44	ANGIOTENSIN BLOCKING DRUG THERAPY (ABDT) IS ASSOCIATED WITH POST OPERATIVE ATRIAL FIBRILLATION (POAF) IN CARDIAC SURGERY PATIENTS <b>A. Kannan</b> , N. Nagajothi, C. Poongkunran Canton Medical Education Foundation, Canton, OH, USA	311
45	CLINICAL AND PROGNOSTIC SIGNIFICANCE OF ATRIAL FIBRILLATION IN ACUTE MYOCARDIAL INFARCTION <b>F.P. Pollice</b> , P.P. Pollice, B.L. Leclercq Dept. of Cardiovascular Surgery, Private Clinic, Andria, Italy	312
46	POST CABG ATRIAL FIBRILLATION: IDENTIFICATION OF THE RISK FACTORS AND THE EFFECTIVENESS OF PROPHYLACTIC BETA BLOCKER THERAPY M.F. Khan, <b>M.R. Movahed</b> University of Arizona Sarver Heart Center, Tucson, AZ, USA	313
47	PRO-ARRHYTHMIC EFFECT OF HYPERCALCEMIA IN THE PRESENCE OF SOTALOL S. Kohli, X. Walker, <b>P. Voukydis</b> Mount Auburn Hospital, Cambridge, MA, Harvard Medical School, Boston, MA, USA	314

# MONDAY, JULY 25, 2011

14:00 – 16:15

Hall A

<b>PL:11 Plenary Session</b>		
<b>ATRIAL FLUTTER AND ATRIAL FIBRILLATION: PHARMACOLOGICAL AND NON PHARMACOLOGICAL THERAPY APPROACH</b>		
	Chairpersons: <b>B.K. Kantharia</b> , Houston, TX, USA <b>N. Marrouche</b> , Salt Lake City, UT, USA	Abstract No.
14:00	NON-PHARMACOLOGICAL TREATMENT OF ATRIAL FLUTTER (Invited Lecture) <b>A.N. Shah</b> , Mount Sinai School of Medicine, Elmhurst Hospital Center, NY, USA	315
14:15	CURRENT TRENDS IN ABLATION OF ATRIAL FIBRILLATION (Invited Lecture) <b>K. Srivathsan</b> , Mayo Clinic, Phoenix, AZ, USA	316
14:30	ABLATION OF ATRIAL FIBRILLATION: ROLE OF INTRACARDIAC ECHOCARDIOGRAPHY (Invited Lecture) <b>B.K. Kantharia</b> , The University of Texas-Health Science Center at Houston, TX, USA	317
14:45	PERSONALIZED MANAGEMENT OF ATRIAL FIBRILLATION: AN IMAGING GUIDED APPROACH (Invited Lecture) <b>N. Marrouche</b> , University of Utah Health Sciences Center, Salt Lake City, UT, USA	318
15:00	ABLATION OF PERSISTENT ATRIAL FIBRILLATION USING PHASED RADIOFREQUENCY ABLATION TECHNIQUE (Invited Lecture) <b>T. Deneke</b> , University of Bochum, Germany	319
15:15	DYNAMICALLY SHAPED MAGNETIC FIELDS: DESCRIPTION AND INITIAL RESULTS OF A REAL-TIME, REMOTE EP CATHETER NAVIGATION SYSTEM (Invited Lecture) <b>E. Gang</b> , Geffen School of Medicine at UCLA, Los Angeles, CA, USA	320
15:30	AN EVALUATION OF PATENT FORAMEN OVALE CLOSURE USING RADIOFREQUENCY ABLATION DELIVERED WITH A ROBOTIC ARM <b>S.M.A. Sohaib</b> , B. Unsworth, K. Kulwant-Kaur, L. Malcolm-Lawes, P. Kanagaratnam, I.S. Malik, Imperial Healthcare NHS Trust, London, UK	321
15:45	SHORT DURATION, ORAL AMIODARONE FOR PREVENTION OF ATRIAL FIBRILLATION POST HEART SURGERY <b>C.C. Trotter</b> , J.H. Khan, T. Kowolaski, A. Modak, Y. Siddiqui, P.S. Lavigne, R. Sampath, E. Davis, W.H. Carter, Charleston Area Medical Center, Charleston, WV, USA	322
16:00	REMOTE CONTROL CATHETER ABLATION OF ACCESSORY PATHWAYS USING A MAGNETIC NAVIGATION SYSTEM: A COMPARISON OF EFFICACY AND SAFETY BETWEEN DIFFERENT LOCATIONS <b>P. Parwani</b> , N. Lippman, J. Dell’Orfano, E. Berns, R. Kahr, C. Hayes, B. Bernstein, A. Tolat University of Connecticut School of Medicine, Hartford, CT, USA	323
16:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

<b>PL:12</b>	<b>Plenary Session</b>	
<b>HYPERTENSION, OBESITY, DIABETES, METABOLIC SYNDROME AND CAD</b>		
	Chairpersons: <b>M.A. Alpert</b> , Columbia, MO, USA <b>E. Barrett-Connor</b> , La Jolla, CA, USA	Abstract No.
14:00	INTERNATIONAL CAUSES AND CONSEQUENCES OF EPIDEMIC OBESITY AND DIABETES IN OLD AGE (Invited Lecture) <b>E. Barrett-Connor</b> , University of California, San Diego, La Jolla, CA, USA	324
14:15	OBESITY CARDIOMYOPATHY: CURRENT VIEWS (Invited Lecture) <b>M.A. Alpert</b> , University of Missouri School of Medicine, Columbia, MO, USA	325
14:30	THE CARDIO-METABOLIC SYNDROME FOLLOWING HEART TRANSPLANTATION -- INCIDENCE, IMPLICATIONS, AND MANAGEMENT (Invited Lecture) <b>M.R. Johnson</b> , University of Wisconsin Medical School, Madison, WI, USA	326
14:45	RENIN INHIBITION: WHAT HAVE WE LEARNED? (Invited Lecture) <b>A.H.J. Danser</b> , Erasmus Medical Center Rotterdam, The Netherlands	327
15:00	EPIGENETIC REGULATION OF PROINFLAMMATORY FACTORS IN DIABETIC HEART DISEASE (Invited Lecture) <b>X-Y. Yu</b> , J.L. Liang, Q.X. Lin, X.H. Li, Z.X. Shan, J.N. Zhu, M. Yang, Y. Li, S.G. Lin Medical Research Center of Guangdong General Hospital, China	328
15:15	CLINICAL SIGNIFICANCE OF EPICARDIAL ADIPOSE TISSUE AS A VISCERAL FAT DEPOT (Invited Lecture) <b>J. Shirani</b> , St. Luke's Hospital and Health Network, Bethlehem, PA, USA	329
15:30	INFLUENCE OF TIME-OF-DAY OF HYPERTENSION TREATMENT ON CARDIOVASCULAR RISK (Invited Lecture) <b>R.C. Hermida</b> , D.E. Ayala University of Vigo, Spain	330
15:45	CURRENT IMAGING TECHNIQUES FOR EVALUATION OF CORONARY ARTERY DISEASE IN DIABETIC PATIENTS (Invited Lecture) <b>A. Elhendy</b> , Marshfield, WI, USA	331
16:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S30

Session

VALVULAR HEART DISEASE / HEART VALVE SURGERY

Chairpersons: **E. Bossone**, Lauro, Italy  
**A.A. Khattab**, Bern, Switzerland

Abstract No.

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|-------|---|-----|
| 14:15 | VALUE OF RISK ALGORITHMS IN PREDICTING EARLY AND LATE OPERATIVE OUTCOMES IN HIGH RISK PATIENTS UNDERGOING TRANSAPICAL AORTIC VALVE IMPLANTATION<br><b>J.M. Kim</b> , J.L. Soon, A. Cheung, S.V. Lichtenstein, D. Wood, J.G. Webb, J. Ye<br>St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada | 332 |
| 14:30 | Meaningful Use of EHR Enhances MVR outcomes analysis<br><b>J.C. Chen</b> , T.A. Pfeffer, R. Richter, Y. Chen, M-L. Kiley, H. Lee<br>Kaiser Permanente, The Permanente Medical Group, Oakland, CA, USA   | 333 |
| 14:45 | VERY-LOW-DOSE THERAPY IN ANTICOAGULATION OF PATIENTS WITH MECHANICAL HEART VALVE REPLACEMENT SUPPORTED BY TELEMEDICINE<br><b>H. Koertke</b> , T. Feige, L. Paluszkiwicz, J. Koerfer, S. Secer, T. Wittlinger<br>Heart and Diabetes Center NRW, Bad Oeynhausen, NRW, Germany   | 334 |
| 15:00 | PSYCHOLOGICAL AND EMOTIONAL STATUS OF PATIENTS WITH CHRONIC MITRAL REGURGITATION: DOES THE MIND MATTER?<br><b>T. Topilsky</b> , M.R. Trenery, B.A. Eichhorn, M. Enriquez-Sarano<br>Mayo Clinic, Rochester, MN, USA  | 335 |
| 15:15 | PREDICTORS OF SEVERE TRICUSPID REGURGITATION IN PATIENTS WITH PACEMAKER OR AUTOMATED IMPLANTABLE CARDIOVERTOR-DEFIBRILLATOR LEADS: A RETROSPECTIVE CASE-CONTROL STUDY<br><b>M.Q. Najib</b> , S.S. Vittala, S. Challa, A. Raizada, H.R. Lee, H.P. Chaliki<br>Mayo Clinic, Scottsdale, AZ, USA                          | 336 |
| 15:30 | OUTCOMES OF A MINIMALLY INVASIVE APPROACH COMPARED WITH MEDIAN STERNOTOMY FOR THE EXCISION OF BENIGN CARDIAC MASSES<br><b>A.M. Pineda</b> , O. Santana, C. Zamora, A.M. Benjo, G.A. Lamas, J. Lamelas<br>Mount Sinai Heart Institute, Miami Beach, FL, USA  | 337 |
| 15:45 | IMPROVEMENT IN MITRAL INSUFFICIENCY BY EARLY STIMULATION OF THE LEFT VENTRICULAR FREE WALL<br><b>P. Voukydis</b> , K. Juliani, Harvard Medical School, Cambridge, MA, USA   | 338 |
| 16:00 | A NOVEL DIMENSIONLESS INDEX DERIVED FROM CONTINUOUS WAVE DOPPLER TO DEFINE SEVERE AORTIC VALVE STENOSIS<br><b>G.E. Valania</b> , G.H. Yao, W.H. Hiser, J.R. Cook, F. Saab, J. Friderici, L. Jiang<br>Baystate Medical Center, Tufts University, Springfield, MA, USA  | 339 |
| 16:15 | ECHOCARDIOGRAPHIC EVIDENCE OF AORTIC REGURGITATION IS HIGHER WITH SYNTHETIC ARTERIO-VEINUS GRAFTS COMPARED TO FISTULAS<br><b>B. Doherty</b> , A. Shetty, G.N. Nadkarni, G. Sandhu, A. Bansal, S. Cortell<br>St.Luke's Roosevelt Hospital Center, New York, NY, USA  | 340 |
| 16:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

<b>S31</b>	<b>Session</b> <b>GENETIC DETERMINANTS OF HEART DISEASE, GENE AND CELL BASED THERAPIES, BASIC RESEARCH</b>	
	Chairpersons: <b>C.S. Long</b> , Denver, CO, USA <b>D.K. Singla</b> , Orlando, FL, USA	Abstract No.
14:00	HUMAN INDUCED PLURIPOTENT STEM CELL-DERIVED MESENCHYMAL STEM CELLS ARE SUPERIOR TO ADULT BONE MARROW-DERIVED MESENCHYMAL STEM CELLS IN THE TREATMENT OF LIMB ISCHEMIA Y.L. Zhang, F.Y. Lam, C.N. Lee, H.F. Tse, <b>Q. Lian</b> Dept. of Medicine, University of Hong Kong, Hong Kong, China	341
14:15	FRACTALKINE RECEPTOR (CX3CR1) POLYMORPHISM AND THE RISK OF CORONARY ARTERY DISEASE <b>H. Rai</b> , N. Singh, S. Kumar, A. Kapoor, S. Agrawal, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	342
14:30	A GENOME-WIDE ASSOCIATION STUDY OF PLATELET COUNT AND MEAN PLATELET VOLUME IN AFRICAN AMERICANS <b>R. Qayyum</b> , D.M. Becker, A. Reiner, M.A. Nalls, A.B. Zonderman, M.K. Evans, M.A. Austin, J.G. Wilson, B.M. Snively, W. Tang, E. Ziv, . Liu, S. Ganesh, YL.C. Becker, Johns Hopkins School of Medicine, Baltimore, MD, USA	343
14:45	COST-EFFECTIVENESS OF GENETIC TESTING OF LPA VARIANTS ASSOCIATED WITH CORONARY HEART DISEASE N. Olchanski, <b>D. Shiffman</b> , J.J. Devlin, T.F. Goss Boston Healthcare Associates, Inc. Boston, MA, USA	344
15:00	MYOBLAST TRANSPLANTATION FOR HEART REPAIR <b>H.J. Leonhardt</b> , Bioheart Inc., Sunrise, FL, USA	345
15:15	CONNEXIN 43 OVEREXPRESSION ENSURES GAP JUNCTION FORMATION IN HUMAN MYOBLASTS AND IMPROVES HEART HEMODYNAMIC PARAMETERS N. Rozwadowska, T. Kolanowski, A. Wacławska, E. Szymczyk, J.D. Kasprzak, T. Mietkiewski, M. Rucinski, <b>M.K. Kurpisz</b> Institute of Human Genetics Polish Academy of Sciences, Poznan, Poland	346
15:30	LACK OF ASSOCIATION BETWEEN IL-1 BETA +3953 POLYMORPHISM WITH CORONARY ARTERY DISEASE IN INDIAN POPULATION <b>H. Rai</b> , S.Kumar, S. Agrawal, N. Sinha, Sanjay Gandhi PGIMS, Lucknow, UP, India	347
15:45	BETA 2-ADRENERGIC RECEPTOR POLYMORPHISM DOES NOT INFLUENCE HEART RATE RESPONSE DURING DOBUTAMINE- ATROPINE STRESS ECHOCARDIOGRAPHY <b>V. Cotarlan</b> , A. Brofferio, J. Sartorius, G. Gerhard, X. Chu, V. Butcher, S. Stein, J. Shirani, Geisinger Medical Center, Danville, PA, USA	348
16:00	ROLE OF LRP6 IN VASCULAR INTEGRITY AND ITS PERTURBATION BY ATHEROSCLEROSIS CAUSING R611C MUTATION A. Keramati, G.G. Go, R. Singh, R.P. Lifton, <b>A. Mani</b> Yale University School of Medicine, New Haven, CT, USA	349
16:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL:13 Plenary Session**

**EPIDEMIOLOGY: NUTRITION, LIFESTYLE AND PREVENTION OF HEART DISEASE**

Chairpersons: **A.L. Klatsky**, Oakland, CA, USA  
**K. Prasad**, Saskatoon, Canada

Abstract No.

16:45	COFFEE, CAFFEINE, AND RISK OF ARRHYTHMIA (Invited Lecture) <b>A.L. Klatsky</b> , Kaiser Permanente Medical Center, Oakland, CA, USA	350
17:00	SUPPRESSION, REGRESSION AND SLOWING OF PROGRESSION OF ATHEROSCLEROSIS BY FLAXSEED AND ITS COMPONENTS (Invited Lecture) <b>K. Prasad</b> , University of Saskatchewan, Saskatoon, Canada	351
17:15	MAGNESIUM INTAKE AND CARDIOMETABOLIC DISEASE: TRANSLATION FROM OBSERVATION TO INTERVENTION (Invited Lecture) <b>Y. Song</b> , Brigham & Women's Hospital, Boston, MA, USA	352
17:30	A NEW LOOK FOR AN OLD DRUG: VITAMIN D IN PREVENTION OF CARDIOVASCULAR DISEASE (Invited Lecture) <b>L. Wang</b> , Brigham and Women's Hospital, Boston, MA, USA	353
17:45	CAN WE STOP THE IMPENDING FLOOD OF HEART FAILURE? (Invited Lecture) <b>P.A. Heidenreich</b> , Stanford University, VA Palo Alto Health Care System, Palo Alto, CA, USA	354
18:00	CORONARY ARTERY DISEASE – EASTERN END OF WESTERN DISEASE (Invited Lecture) <b>V. Puri</b> , Royal Lancaster Infirmary, University Hospital of Morecambe and Bay NHS Trust, Lancaster, UK	355
18:15	EFFECT OF RURAL-TO-URBAN WITHIN-COUNTRY MIGRATION ON CARDIOVASCULAR RISK FACTORS IN LOW AND MIDDLE INCOME COUNTRIES: A SYSTEMATIC REVIEW (Invited Lecture) <b>A.V. Hernandez</b> , Cleveland Clinic, Cleveland, OH, USA	356
18:30	AGING, MENOPAUSE AND ISCHEMIC HEART DISEASE MORTALITY: ANALYSIS OF 1915-1944 BIRTH-COHORTS FROM ENGLAND, WALES AND UNITED STATES <b>D. Vaidya</b> , D.M. Becker, V. Bittner, R.A. Mathias, P. Ouyang Johns Hopkins University School of Medicine, Baltimore, MD, USA	357
18:45	EFFECT OF A 6-MONTH EXERCISE-LIFESTYLE INTERVENTION ON PHYSICAL PERFORMANCE, CARDIOVASCULAR HEALTH, AND OVERALL WELL-BEING IN WOMEN AT RISK FOR CARDIOVASCULAR DISEASE: A PRELIMINARY REPORT <b>P.A. Marcovitz</b> , S.S. Billecke, M. Donnelly, B.A. Franklin William Beaumont Hospital, Royal Oak, MI, USA	358



S32

**Session**  
**RECENT ADVANCES IN CARDIAC IMAGING**

Chairpersons: **J.N. Bella**, New York, NY, USA  
**R. Krittayaphong**, Bangkok, Thailand

Abstract No.

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|-------|--|-----|
| 16:45 | <p>NORMAL STRESS-ONLY VERSUS STANDARD STRESS/REST MYOCARDIAL PERFUSION IMAGING: SIMILAR PATIENT MORTALITY WITH REDUCED RADIATION EXPOSURE<br/><b>J.J. Mahmarian</b>, S.M. Chang, F. Nabi, J. Xu<br/>Methodist DeBakey Heart &amp; Vascular Center, Houston, TX, USA</p>                              | 359 |
| 17:00 | <p>QUANTIFICATION OF LEFT VENTRICULAR VOLUME AND FUNCTION USING 3-DIMENSIONAL TRANSESOPHAGEAL ECHOCARDIOGRAPHY<br/><b>M. Meng</b>, J. Tan, D. Kitzman, P. Kirkman, H. Deng, M. Pu, S. Ganhdi, R. Henderson<br/>Wake Forest University School of Medicine, Winston-Salem, NC, USA</p>                 | 360 |
| 17:15 | <p>CHARACTERISATION OF THE INFLAMMATORY PROCESS IN ATHEROSCLEROTIC MODELS BY MRI AND SECARS MICROSCOPY<br/>L. Machtoub, <b>M. Michalska</b>, V. Herold, E. Bauer, P. Jakob, W. Bauer<br/>Universitätsklinik für Radiodiagnostik, Tirol, Austria</p>  | 361 |
| 17:30 | <p>LEFT VENTRICULAR OUTFLOW TRACT GEOMETRY SIGNIFICANTLY IMPACTS ON QUANTITATIVE DOPPLER ASSESSMENT<br/>H. Deng, D.W. Kitzman, P.M. Kirkman, <b>M. Meng</b>, P. Burgess, W. Little, M. Pu<br/>Wake Forest University School of Medicine, Winston-Salem, NC, USA</p>                                  | 362 |
| 17:45 | <p>DIAGNOSTIC ACCURACY OF DOBUTAMINE STRESS ECHOCARDIOGRAPHY FOR DETECTION OF CORONARY ARTERY DISEASE IN RENAL TRANSPLANT CANDIDATES: A METAANALYSIS<br/>A.M. Haftbaradaran, X. Tang, J. Sartorius, <b>J. Shirani</b><br/>Geisinger Medical Center, Danville, PA, USA</p>                            | 363 |
| 18:00 | <p>QUANTITATIVE CORONARY ANGIOGRAPHY (QCA) OF INDETERMINATE LEFT MAIN DISEASE CAN RELIABLY PREDICT SEVERITY<br/><b>C.L. Laham</b>, M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Luke's Hospital, Cedar Rapids, IA, USA</p>  | 364 |
| 18:15 | <p>CARDIAC AMYLOIDOSIS POST CYBOR-D: DOPPLER ECHOCARDIOGRAPHY AND MYOCARDIAL MECHANICS<br/><b>N. Quader</b>, U. Jalal, C. Kendall, F. Mookadam, S. Schuster, J. Mikhael, R. Fonseca, A. Kalya, Mayo Clinic, Scottsdale, AZ, USA</p>  | 365 |
| 18:30 | <p>MYOCARDIAL DEFORMATION IMAGING CAN BE PERFORMED USING CONTRAST ECHOCARDIOGRAMS – FIRST RESULTS USING 2D CARDIAC PERFORMANCE ANALYSIS<br/><b>A. Huqi</b>, B. Klas, I. Paterson, M. Irween, J. Ezekovitz, J. Choy, H. Becher<br/>Mazankowski Alberta Heart Institute, Edmonton, Alberta, Canada</p> | 366 |

# MONDAY, JULY 25, 2011

Abstract No.

- 18:45 MRI-TAGGING REVEALS IMPACT OF BETA-BLOCKER THERAPY ON MYOCARDIAL ARCHITECTURE **367**  
**B. Schmitt**, P.P. Lunkenheimer, P. Steendijk, F. Berger, T. Kuehne  
Dept. of Congenital Heart Defects, German Heart Institute Berlin, Germany
- 19:00 COMBINED BRUCE PROTOCOL AND REGADENOSON FOR MYOCARDIAL PERFUSION STRESS TESTING: A NOVEL APPROACH **368**  
**S.D. Jerome**, J.S. Rogers, L.K. Black, S.A. Little, C.M. Jopek, R.J. Wagner  
University of Maryland, School of Medicine, Baltimore, MD, USA

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**16:45 – 19:30**

**Hall C**

**S33**

**Session**  
**ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION**

Chairpersons: **K. Srivathsan**, Phoenix, AZ, USA  
**M. Swissa**, Rehovot, Israel

- 16:45 SAFETY AND OUTCOME OF EPICARDIAL ABLATION OF VENTRICULAR TACHYCARDIAS **369**  
**M.H. Kanj**, O.M. Wazni, W.J. Saliba, B.M. Lindsay, A. Natale, P. Tchou  
Cleveland Clinic Cleveland, OH, USA
- 17:00 BERIPLEX P/N RESTORES HEMOSTASIS AFTER DABIGATRAN OVERDOSING IN AN ACUTE RABBIT BLEEDING MODEL **370**  
**S.H. Zeidler**, I. Pragst, B. Doerr, F. Kaspereit, W. Krege, J. van Ryn  
CSL Behring GmbH, Pharmacology/Toxicology, Marburg, Germany
- 17:15 POOR GLUCOSE CONTROL IS ASSOCIATED WITH QTC PROLONGATION IN CRITICALLY ILL PATIENTS **371**  
**D. Pickham**, E. Flowers, B.J. Drew  
School of Nursing, University of California, San Francisco, CA, USA
- 17:30 ELECTROPHYSIOLOGIC PROFILE OF ASYMPTOMATIC WOLFF-PAKINSON-WHITE SYNDROME IN PEDIATRIC POPULATION **372**  
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MONDAY, JULY 25, 2011

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## MONDAY, JULY 25, 2011

### P310 MISCELLANEOUS

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44	ASSESSMENT OF OCCUPATIONAL ACTIVITY USING HEART RATE HISTOGRAMS <b>J.R. Wicks</b> , K. McKenna, S.T. McSorley, D.L. Craig Greenslopes Hospital, Brisbane, Queensland, Australia	423
45	CARDIAC MYXOMAS AMONG HISPANICS AND CAUCASIANS: THE MIAMI BEACH EXPERIENCE <b>A. Pineda</b> , A.M. Benjo, B. Correal, J. Reyna, F. Nascimento, J.C. Brenes Mount Sinai Medical Center - Columbia University, FL, USA	424



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INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011  

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VANCOUVER, BC, CANADA, July 23-26, 2011

**SCIENTIFIC  
PROGRAM**

**Tuesday, July 26, 2011**

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<b>PL:14</b>	<b>Plenary Session</b>	
	<b>NEW FRONTIERS IN HEART FAILURE AND CVD: NOVEL DISCOVERY APPROACHES, NEW MOLECULAR FINDINGS AND POTENTIAL TARGETS FOR THERAPY</b>	
	Chairpersons: <b>M.A. Rossi</b> , Ribeirao Preto, S.P., Brazil <b>H.N. Sabbah</b> , Detroit, MI, USA	
		Abstract No.
08:30	WHY DO HERG CHANNELS ACTIVATE SLOWLY? FLUORESCENCE SPECTROSCOPY AND GATING CURRENT MEASUREMENTS SHED NEW LIGHT ON VOLTAGE SENSOR-PORE COUPLING (Invited Lecture) <b>D. Fedida</b> , University of British Columbia, Vancouver, BC, Canada	425
08:45	EARLY CHANGES IN CARDIAC MITOCHONDRIAL CAPACITY DURING THE DEVELOPMENT OF DIASTOLIC HEART FAILURE (Invited Lecture) L. Zhang, C. Wagg, <b>G. Lopaschuk</b> , University of Alberta, Edmonton, AB, Canada	426
09:00	MITOCHONDRIAL ABNORMALITIES IN THE FAILING HEART: A POTENTIAL TARGET FOR THERAPY (Invited Lecture) <b>H.N. Sabbah</b> , R.C. Gupta, S. Rastogi, M. Wang Henry Ford Heart & Vascular Institute, Detroit, MI, USA	427
09:15	BIOLOGY OF AGING AND HEART FAILURE MANAGEMENT (Invited Lecture) <b>B.I. Jugdutt</b> , University of Alberta and Hospitals, Edmonton, Canada	428
09:30	EARLY DYSTROPHIN DISRUPTION IN THE PATHOGENESIS OF EXPERIMENTAL CHRONIC CHAGAS CARDIOMYOPATHY (Invited Lecture) C.M. Prado, M.R.N. Celes, L.M. Malvestio, J.S. Silva, L.A. Jelicks, H.B. Tanowitz, <b>M.A. Rossi</b> University of Sao Paulo, Ribeirao Preto, S.P., Brazil	429
09:45	MULTIPARAMETRIC APPROACH TO THE ANALYSIS OF THE NEUROHUMORAL STATUS IN HEART FAILURE (POSSIBLE MEANING AND CLINICAL USE OF INTERACTION AMONG THE MARKERS) (Invited Lecture) D. Anzulovi-Miroševi, M. Zaninotto, M.M. Mion, M. Plebani, <b>S. Dalla-Volta</b> , University of Padova Medical School, Padova, Italy	430
10:00	ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/ CARDIOMYOPATHY: NOVEL INSIGHTS IN A LIFE-THREATENING DISORDER (Invited Lecture) <b>L. Mestroni</b> , University of Colorado, Aurora, CO, USA	431
10:15	MECHANISMS DIABETIC CARDIOMYOPATHY: INSIGHTS FROM A NEW MURINE MODEL (Invited Lecture) <b>K.D. O'Brien</b> , W. Pichaiwong, J. Kim, A. Haw, B. Askari, T. Wietecha, K. Hudkins-Loya, C.E. Alpers University of Washington, Seattle, WA, USA	432

## TUESDAY, JULY 26, 2011

Abstract No.

- 10:30    CARDIOVASCULAR SIGNIFICANCE OF THE NATRIURETIC PEPTIDE SYSTEM (Invited Lecture) 433  
T. Tokudome, K. Kangawa **I. Kishimoto**  
National Cerebral and Cardiovascular Center, Suita City, Osaka, Japan
- 10:45    FINDING NEW TARGETS FOR HEART FAILURE: PROTEASE ACTIVATED RECEPTORS (Invited Lecture) 434  
**B.C. Blaxall**, University of Rochester Medical Center, Rochester, NY, USA
- 11:00    ADIPOSYTY-RELATED INFLAMMATION AND CARDIAC STRUCTURE AND FUNCTION (Invited Lecture) 435  
**M. Allison**, University of California San Diego, La Jolla, CA, USA
- 11:15    COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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**PL:15 Plenary Session  
CARDIOVASCULAR RISK ASSESSMENT**

Chairpersons: **R. Manfredini**, Ferrara, Italy  
**T. Tomaru**, Chiba, Japan

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | WINTER AND VENOUS THROMBOEMBOLISM: A HARMFUL ASSOCIATION? (Invited Lecture)<br>F. Dentali, W. Ageno, <b>R. Manfredini</b> , University of Ferrara, Ferrara, Italy  | 436 |
| 08:45 | PROGRESS AND IMPORTANCE OF VASCULAR EVALUATIONS IN CARDIOVASCULAR DISEASES (Invited Lecture)<br><b>T. Tomaru</b> , T. Hirohashi, Toho University Sakura Hospital, Japan  | 437 |
| 09:00 | PERIPHERAL ARTERIAL AND VENOUS DISEASE AND MORTALITY IN A MULTI-ETHNIC POPULATION: THE SAN DIEGO POPULATION STUDY (Invited Lecture)<br><b>M.H. Criqui</b> , University of California, San Diego, La Jolla, CA, USA | 438 |
| 09:15 | NONSTEROIDAL ANTI-INFLAMMATORY DRUGS AND CARDIOVASCULAR RISK: WEIGHING THE EVIDENCE (Invited Lecture)<br><b>M. Farkouh</b> , Peter Munk Cardiac Centre, University Health Network, ON, Canada                      | 439 |
| 09:30 | CORONARY DISEASE IN WOMEN - HOW DOES IT DIFFER FROM MEN? (Invited Lecture)<br><b>K.A. Adarsh</b> , Govt. Medical College/G.N.D. Hospital, Amritsar, India  | 440 |
| 09:45 | ASSOCIATION BETWEEN CAROTID AND CORONARY STENOSIS – A NON-INVASIVE STUDY (Invited Lecture)<br><b>Y. Charuzi</b> , M. Carabeo, J. Mirocha UCLA School of Medicine, Los Angeles, CA, USA                             | 441 |
| 10:00 | PLASMA FOLATE AND HOMOCYSTEINE IN SMOKERS IN RELATION TO CARDIOVASCULAR DISEASE (Invited Lecture)<br><b>K. Okumura</b> , H Tsukamoto, Toki Municipal General Hospital, Toki, Gifu Prefecture, Japan                | 442 |
| 10:15 | ADIPONECTIN AND RISK OF HEART FAILURE IN THE PHYSICIANS' HEALTH STUDY (Invited Lecture)<br><b>L. Djousse</b> , J.B. Wilk, N. Hanson, R. Glynn, M. Tsai, J.M. Gaziano Brigham and Women's Hospital, Boston, MA, USA | 443 |
| 10:30 | ASSOCIATION BETWEEN PNEUMOCOCCAL VACCINATION AND ACUTE CORONARY SYNDROMES: REAL OR NOT? (Invited Lecture)<br><b>M. Zahid</b> , University of Pittsburgh, PA, USA   | 444 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

S34

**Session**  
**INTERVENTIONAL CARDIOLOGY**

Chairpersons: **S.J. Brener**, Brooklyn, NY, USA  
**B.F. Uretsky**, Little Rock, AR, USA

Abstract No.

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|-------|--|-----|
| 08:30 | ASSOCIATION OF SIGNIFICANT OBSTRUCTIVE CORONARY ARTERY DISEASE IN PATIENTS WITH DETECTIBLE LEVELS OF TROPONIN LESS THAN THE 99TH PERCENTILE ON A HIGH SENSITIVITY TROPONIN ASSAY<br><b>N. Adoni</b> , W. Khalife, <b>V.K. Mukku</b><br>University of Texas Medical Branch, Galveston, TX, USA                    | 445 |
| 08:45 | PRE-HOSPITAL NOTIFICATION TO CARDIOLOGIST REDUCES DOOR-TO-BALLOON TIME IN ACUTE MYOCARDIAL INFARCTION<br><b>J.H. Choi</b> , K.S. Cha, H.W. Lee, M.J. Yang, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, S.J. Cho, J.S. Choi, Pusan National University Hospital, Busan, Korea  | 446 |
| 09:00 | MODERATE LESIONS ARE OFTEN SEVERE AND DIAGNOSABLE BY QUANTITATIVE CORONARY ANGIOGRAPHY (QCA)<br><b>C.L. Laham</b> , M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Lukes Hospital, Cedar Rapids, IA, USA  | 447 |
| 09:15 | DIAGNOSTIC PROCEDURES WITH 4FR CATHETER BY FEMORAL APPROACH VS TRANSRADIAL APPROACH: COMPARATIVE STUDY<br><b>R.M. Valdesuso</b> , R.C. Rodriguez, F.J. Lacunza, J.R. Gimeno, J.A. Hurtado, J. Garcia de Lara, M. Valdes<br>Hospital Universitario Virgen de la Arrixaca, Murcia, Spain                           | 448 |
| 09:30 | PERIPHERAL ENDOVASCULAR INTERVENTIONS IN LIMB SALVAGE FOR CRITICAL LIMB ISCHEMIA: APPROACHING A NEW PARADIGM<br><b>M.J. Summers</b> , L.J. Diaz-Sandoval, J.A. Mustapha, C. Heaney<br>Metro Health Hospital, Wyoming, MI, USA  | 449 |
| 09:45 | REDUCED THROMBOGENICITY OF STENTS-IN VITRO AND IN VIVO EVALUATION OF SURFACE MODIFICATION AND COATING<br><b>R. Bakhshi</b> , B. Cousins, A. Darbyshire, G. Hamilton, A.M. Seifalian<br>Division of Surgery and Interventional Science, University College London, UK   | 450 |
| 10:00 | PROLONGED DUAL ANTI-PLATELET THERAPY PREVENTS VERY LATE STENT THROMBOSIS AFTER STENTING OF BIFURCATIONS WITH THE "CRUSH" TECHNIQUE" USING DRUG -ELUTING STENTS<br><b>S. Sharma</b> , K. Bhalla, A. Antonescu, B.K. Bhambi, W. Nyitray, K.R. Desai, T. Ishimori, Bakersfield Heart Hospital, Bakersfield, CA, USA | 451 |
| 10:15 | LOW-DOSE CT ASSESSMENT OF CORONARY STENTS IN A LARGE COHORT WITH HIGH-PITCH SPIRAL ACQUISITION MODE<br><b>K.T. Ho</b> , Q.W. Yong, C. Panknin<br>Heart Consultants Pte Ltd, Mount Alvernia Hospital, Singapore   | 452 |
| 10:30 | SPONTANEOUS CORONARY ARTERY DISSECTION: CASE SERIES WITH EXTENDED FOLLOW UP<br><b>P. Kansara</b> , S. Graham<br>The State University of New York at Buffalo, Williamsville, NY, USA  | 453 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |



**PL:16 Plenary Session**  
**VALVULAR HEART DISEASE - TRANSLATIONAL SCIENCE FROM THE BENCH TO THE BEDSIDE**

Chairpersons: **D.M. Meyer**, Dallas, TX, USA  
**N.M. Rajamannan**, Chicago, IL, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | OXIDATIVE-MECHANICAL STRESS REGULATES BICUSPID AORTIC STENOSIS (Invited Lecture)<br><b>N. Rajamannan</b> , Northwestern University Feinberg School of Medicine, Chicago, IL, USA  | 454 |
| 11:30 | IMPACT OF MITRAL VALVE REPAIR IN PATIENTS WITH END-STAGE CONGESTIVE HEART FAILURE (Invited Lecture)<br><b>D.M. Meyer</b> , .D. Nelson, P. Mikhael, M.A. Wait, M.E. Jessen<br>University of Texas Southwestern Medical Center at Dallas, TX, USA   | 455 |
| 11:45 | COMBINED STRUCTURAL HEART DISEASE INTERVENTIONS (Invited Lecture)<br><b>A.A. Khattab</b> , University Hospital, Bern, Switzerland   | 456 |
| 12:00 | IMAGING OF THE AORTIC ROOT FOR TRANSCATHETER AORTIC VALVE IMPLANTATION (TAVI) (Invited Lecture)<br><b>S. Lerakis</b> , Emory University Hospital, Atlanta, GA, USA  | 457 |
| 12:15 | TRANSCATHETER VALVE-IN-VALVE IMPLANTATION FOR FAILED BIOPROSTHESES (Invited Lecture)<br><b>J. Ye</b> , St. Paul's Hospital, Vancouver, BC, Canada   | 458 |
| 12:30 | 19 YEARS FOLLOW-UP RESULTS OF MITRAL BALLOON VALVULOPLASTY AND ITS EFFECT ON LEFT VENTRICULAR FUNCTION, SEVERE PULMONARY HYPERTENSION, AND SEVERE TRICUSPID REGURGITATION (Invited Lecture)<br><b>M. Eid Fawzy</b> , Sixth of October University, Egypt   | 459 |
| 12:45 | RHEUMATIC FEVER: ANCIENT DISEASE GRIPPING THE DEVELOPING WORLD (Invited Lecture)<br><b>M. Atiq Ahmed</b> , Aga Khan University Hospital, Pakistan   | 460 |
| 13:00 | RISK OF RE-OPERATION AFTER AORTIC VALVE REPLACEMENT BY A MOSAIC MEDTRONIC TISSUE VALVE<br><b>D.Y. Loisanche</b> , M. Kirsch, K. Nakashima, J. Wujila, S. Dreyfus<br>Institute of Cardiology, Pitie, Paris   | 461 |
| 13:15 | DEVELOPMENT OF A COMPLETELY AUTOLOGOUS VALVED CONDUIT WITH THE SINUS OF VALSALVA USING IN-BODY TISSUE ARCHITECTURE TECHNOLOGY<br><b>M. Yamanami</b> , M. Uechi, M. Fujiwara, H. Ishibashi-Ueda, K. Kanda, T. Watanabe, T. Tajikawa, K. Ohba, H. Yaku, Y. Nakayama<br>Kyoto Prefectural University of Medicine, Kyoto, Japan | 462 |

- 13:30 CORONARY ARTERY ANOMALIES IN PATIENTS WITH BICUSPID AORTIC VALVE DISEASE 463  
**T.H. Tajouri**, G. Kumar, W.D. Edwards, S. Phillips, K.W. Klarich  
 Mayo Clinic, Rochester, MN, USA
- 13:45 CEREBRAL ISCHEMIA IS ASSOCIATED WITH COGNITIVE DECLINE FOLLOWING CARDIAC VALVE SURGERY 464  
 P.A. Barber, **F.P. Milsom**, L.F. Tippett, A.F. Merry  
 University of Auckland, New Zealand

11:00 – 13:30

Hall B

**S35 Session**  
**HEART FAILURE, MECHANISMS AND MANAGEMENT**

Chairpersons: **B.I. Jugdutt**, Edmonton, AL, Canada  
**M.H. Pitzalis**, Greenville, NC, USA

- 11:00 COMBINED ENDURANCE-RESISTANCE TRAINING VERSUS ENDURANCE TRAINING IN PATIENTS WITH CHRONIC HEART FAILURE: A PROSPECTIVE RANDOMIZED STUDY 465  
**P.J.M. Beckers**, J. Denollet, N.M. Possemiers, F. Wuyts, C.J. Vrints, V.M. Conraads, Antwerp University Hospital, Edegem, Antwerp, Belgium
- 11:15 ECHOCARDIOGRAPHIC MEASURES OF SYSTOLIC AND DIASTOLIC FUNCTION AS PREDICTORS OF INCIDENT HEART FAILURE IN METABOLIC SYNDROME AND DIABETES 466  
 A.M. Donohue, D. Glovaci, J.M. Gardin, J.S. Gottdiener, T. Suzuki, **N. Wong**  
 University of California, Irvine, CA, USA
- 11:30 REGULATION OF ALDOSTERONE LEVELS BY ADRENAL BETAARRESTIN-1 AS A NEW MOLECULAR TARGET IN HEART FAILURE 467  
**A. Lympelopoulos**, G. Rengo, W.J. Koch  
 College of Pharmacy, Nova Southeastern University, Ft. Lauderdale, FL, USA
- 11:45 HIGH ADIPONECTIN LEVELS, A MARKER OF WASTING IN CHRONIC HEART FAILURE? 468  
**A.M. Van Berendoncks**, P. Beckers, V.Y. Hoymans, N. Possmiers, C.J. Vrints, J. Gielen, V.M. Conraads  
 Antwerp University Hospital, Antwerp, Belgium
- 12:00 THE IMPACT OF SERUM ALBUMIN ON MORTALITY AND HEART FAILURE HOSPITALIZATION IN PATIENTS WITH CHRONIC HEART FAILURE 469  
 V.M. Alla, **S. Kanuri**, Y.M. Reddy, R. Gangi, T. Ward, A. Mooss, C. Hunter, D. Esterbrooks, Creighton University Medical Center, Omaha, NE, USA
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**P.F. Pollice**, P.P. Pollice, L.B. Leclercq  
 Dept. of Cardiovascular Surgery, Private Clinic. Andria, BT, Italy

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13:00	<p>“VALSALVA-CIRCULATION INDEX” A NEW NON-INVASIVE METHOD FOR DETERMINING THE ETIOLOGY OF UNEXPLAINED DYSPNEA  <b>H.J. Semler</b>, B.A. Borlaug, S. Scott, K. Nielson, L.E. Adams, A. From Oregon Health Science University, Portland, OR, USA</p>	473
13:15	<p>COMBINATION OF BNP AND VE/VCO2 IMPROVES RISK STRATIFICATION IN PATIENTS WITH DIASTOLIC HEART FAILURE  <b>L. Li</b>, J. Yan, S.J. Gong, Zhejiang Hospital, Hangzhou, China</p>	474

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Hall C

<b>S36</b>	<p><b>Session</b>  <b>ACUTE CORONARY SYNDROME, ACUTE MYOCARDIAL INFARCTION, INTERVENTIONAL CARDIOLOGY</b></p> <p>Chairpersons: <b>Y. Birnbaum</b>, Houston, TX, USA  <b>M.R. Movahed</b>, Tucson, AZ, USA</p>	
11:00	<p>PROTECTION FROM ISCHEMIA-REPERFUSION INJURY BY N-BENZYLADRIAMYCIN-14-VALERATE (AD198)  <b>J.E. Soberman</b>, N. Brydon, K.E. Lothstein, C. Cai, L. Lothstein, P.A. Hofmann University of Tennessee Health Science Center, Memphis, TN, USA</p>	475
11:15	<p>DOOR TO BALLOON TIME LESS THAN THIRTY MINUTES: THE LEHIGH VALLEY HEALTH NETWORK (LVHN) EXPERIENCE  <b>M.L. Sarkees</b>, M.W. Martinez, B. Feldman, J.P. Kleaveland, O. Rivera, M. Rossi, W. Combs, D.A. Cox, R. Freudenberger, N. Patel Lehigh Valley Health Network, Allentown, PA, USA</p>	476
11:30	<p>PREVALENCE OF CLOPIDOGREL HYPO-RESPONSIVENESS IN CORONARY STENT PATIENTS PRESENTING TO HOSPITAL EMERGENCY ROOM WITH CHEST PAIN  <b>R.K. Sharma</b>, H.K. Reddy, M. Moazazi, L. Elango, N. Karavadia, R. Lagaspi, R. Sharma, K. Singh, K. Williams, D.J. Voelker University of Arkansas for Medical Sciences, Little Rock, AR, USA</p>	477
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## TUESDAY, JULY 26, 2011

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**H.W. Lee**, K.S. Cha, J.H. Choi, M.J. Yang, S.G. An, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong  
Busan National University Hospital, Busan, Korea
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**R. Dhingra**, J.F. Robb, J.E. Jayne, N.W. Niles II  
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
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**N. Kume**, Kyoto University, Kyoto, Japan
- 12:45 INFARCT RELATED ARTERY VERSUS MULTIVESSEL REVASCULARIZATION IN ACUTE STEMI WITH MULTIVESSEL DISEASE 482  
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Busan National University Hospital, Busan, South Korea
- 13:00 MARKERS OF PLATELET ACTIVATION ARE HIGHER IN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROME 483  
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*Routledge / Tourism Vancouver*

**P504 INTERVENTIONAL CARDIOLOGY II**

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1	<p>CLOPIDOGREL HYPORESPONSIVENESS, INTERACTING WITH DIABETES MELLITUS, PREDICTS 2-YEAR CARDIOVASCULAR OUTCOME AMONG TAIWANESE POPULATION RECEIVING ELECTIVE PERCUTANEOUS CORONARY INTERVENTION  <b>P.Y. Liu</b>, L.J. Hsu, P.T. Lee, C.H. Lee, J.Y. Chen, Y.H. Liu, L.M. Tsai, J.H. Chen                      National Cheng Kung Univeristy Hopital, Tainan, Taiwan</p>	484
2	<p>THE EFFICACY AND SAFETY OF PRO-KINETIC METAL ALLOY STENT IN HOSPITALIZED PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION (THE PROMETHEUS TRIAL)  <b>T.J. Youn</b>, S.Y. Lim, W.Y. Chung, J.W. Bae, S.Y. Kim, K.S. Kim                      Seoul National University Bundang Hospital, Seongnam, Korea</p>	485
3	<p>DIRECT ADMISSION TO CATHETERIZATION LABOLATORY REDUCES DOOR-TO-BALLOON TIME FOR PRIMARY CORONARY INTERVENTION                      M.J. Yang, <b>K.S. Cha</b>, H.W. Lee, J.H. Choi, B.W. Kim, S.G. An, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong                      Pusan National University Hospital, Busan, Korea</p>	486
4	<p>RCT DOUBLE BLIND 600MG CLOPIDOGREL VS 300MG IN PATIENTS UNDERGOING ELECTIVE PCI AT THE PHILLIPINE HEART CENTER  <b>K.H. Bantala</b>, J. Ho, J. Jumangit                      Philippine Heart Center, Manila, Philippines</p>	487
5	<p>OUTCOMES OF PATIENTS TREATED WITH THE EVEROLIMUS-ELUTING STENT AT A TERTIARY MEDICAL CENTER  <b>E. Nader</b>, G.A. Shammass, M. Jerin, N.W. Shammass                      Midwest Cardiovascular Research Foundation, Davenport, IA, USA</p>	488
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- 12 PROTEINURIA AND ESTIMATED GLOMERULAR FILTRATION RATE INDEPENDENTLY PREDICT RISK FOR ACUTE MYOCARDIAL INFARCTION IN A NORTHERN TAIWANESE POPULATION: A COMMUNITY-BASED STUDY IN KEELUNG TAIWAN 495  
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**P208 HEART FAILURE – EPIDEMIOLOGY, PATHOPHYSIOLOGY AND THERAPIES**

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37	CHANGES IN LEFT VENTRICULAR MECHANICS IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA <b>R. Tkacova</b> , G. Valocik, M. Brusik, Z. Sopkova, I. Tkac Medical Faculty, P.J. Safarik University, Kosice, Slovakia	520
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