

09:00 – 10:15

Hall A

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**OC:            OPENING CEREMONY**  
Chairperson: **J.S. Borer**, New York, NY, USA

GREETINGS  
**Asher Kimchi**, USA  
Founder and Chairman  
International Academy of Cardiology  
14th World Congress on Heart Disease

**Jeffrey S. Borer**, USA  
Chairman, Scientific Executive Committee  
Chairman, Section of Valvular Heart Disease  
International Academy of Cardiology  
14th World Congress on Heart Disease

**John A. Elefteriades**, USA  
Member, Scientific Executive Committee  
Chairman, Section of Cardiovascular Surgery  
International Academy of Cardiology  
14th World Congress on Heart Disease

**Marcos A. Rossi**, Brazil  
Member, Scientific Executive Committee  
Chairman, Section of Vascular Biology  
International Academy of Cardiology  
14th World Congress on Heart Disease

**Pawan K. Singal**, Canada  
Member, Scientific Executive Committee  
Chairman, Section of Vascular Biology  
International Academy of Cardiology  
14th World Congress on Heart Disease

PRESENTATION OF 2008 AWARDS  
**Jeffrey S. Borer**, USA

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09:35– 10:15

Hall A

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**OL:            OPENING LECTURE – THIRD H.J.C. SWAN MEMORIAL LECTURE**  
Chairperson: **K. Chatterjee**, San Francisco, CA, USA

09:35            INTRODUCTION  
**K. Chatterjee**, San Francisco, CA, USA

09:40            WOMAN AND HEART DISEASE IN THE POST-WHI ERA            124  
(Invited Lecture)  
**E.L. Barrett-Connor**, University of California, San Diego, CA, USA

10:15            COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**PL: 01      Plenary Session**  
**NEW THERAPEUTIC TARGETS IN CARDIOVASCULAR MEDICINE**

Chairperson:      **C. Patterson**, Chapel Hill, NC, USA

		Abstract No.
10:45	INHIBITION OF PHOSPHOLIPASES: A NEW STRATEGY TO TREAT THEROSCLEROSIS AND ITS CLINICAL COMPLICATIONS? (Invited Lecture) <b>W. Koenig</b> , University of Ulm, Ulm, Germany	001
11:00	AN UNAPPRECIATED ROLE FOR UBIQUITIN LIGASES IN EXPERIMENTAL CARDIAC HYPERTROPHY (Invited Lecture) <b>C. Patterson</b> , University of North Carolina, Chapel Hill, NC, USA	002
11:15	RENIN INHIBITION: A NOVEL APPROACH TO BLOOD PRESSURE CONTROL AND ORGAN PROTECTION (Invited Lecture) <b>A.H.J. Danser</b> , Erasmus Medical Center, Rotterdam, The Netherlands	004
11:30	CORONARY MICROVASCULAR REGULATION BY ANGIOTENSIN II: PATHOPHYSIOLOGICAL IMPLICATIONS (Invited Lecture) <b>L. Kuo</b> , T.W. Hein, Texas A&M Health Science Center, Temple, TX, USA	005
11:45	INHIBITING MALONYL COA DECARBOXYLASE AS AN APPROACH TO TREATING ISCHEMIC HEART DISEASE (Invited Lecture) <b>G.D. Lopaschuk</b> , University of Alberta, Edmonton, AB, Canada	006
12:00	CARDIOPROTECTIVE ROLE OF SODIUM THIOSULFATE ON CHRONIC HEART FAILURE BY MODULATING ENDOGENOUS H <sub>2</sub> S GENERATION (Invited Lecture) <b>S.C. Tyagi</b> , University of Louisville, Louisville, KY, USA	007
12:15	ROLE OF SARCOPLASMIC RETICULUM IN INCREASING INTRACELLULAR CA <sup>2+</sup> DUE TO NA <sup>+</sup> -K <sup>+</sup> ATPASE INHIBITION BY OUABAIN (Invited Lecture) <b>H.K. Saini-Chohan</b> , N.S. Dhalla, University of Manitoba, Winnipeg, MB, Canada	008
12:30	FINDING AND VALIDATING NEW TARGETS FOR HEART FAILURE TREATMENT (Invited Lecture) <b>B.C. Blaxall</b> , University of Rochester Medical Center, Rochester, NY, USA	009
12:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**PL: 02      Plenary Session**  
**WHAT'S NEW IN CARDIOMYOPATHIES**

Chairpersons:      **K. Chatterjee**, San Francisco, CA, USA  
                         **M.A. Rossi**, Ribeirao Preto, SP, Brazil

Abstract No.

10:45	THE ROLE OF THE INNATE IMMUNE RESPONSE IN PROTECTING AGAINST INFECTION OF THE HEART (Invited Lecture) <b>N.E. Bowles</b> , G. Vallejo, University of Utah, Salt Lake City, UT, USA	010
11:00	VINCRIStINE PROTECTS CARDIOMYOCYTES FROM DOXORUBICIN TOXICITY (Invited Lecture) <b>K. Chatterjee</b> , J. Zhang, R. Tao, N. Honbo, J.S. Karliner UCSF School of Medicine, San Francisco, CA, USA	011
11:15	CARDIOVASCULAR EFFECTS OF CHRONIC, SUBCLINICAL EXPOSURE TO LIPOPOLYSACCHARIDE (Invited Lecture) <b>W.Y.W. Lew</b> , University of California, San Diego, CA, USA	012
11:30	SEPSIS AND THE HEART (Invited Lecture) <b>M.A. Rossi</b> , M.R. Celes, D. Torres-Duena, E.C. Campos, C.M. Prado, F.Q. Cunha, University of Sao Paulo, Ribeirao Preto, SP, Brazil	013
11:45	A UNIQUE CLINICAL, GENETIC AND MORPHOLOGICAL FEATURES IN HUMAN MITOCHONDRIAL CARDIOMYOPATHY (Invited Lecture) <b>T. Toyo-Oka</b> , H. Hatakeyama, S. Kostin, J. Schaper, Tohoku University, Sendai, Japan	014
12:00	OBESITY AND CONGESTIVE HEART FAILURE (Invited Lecture) <b>M.A. Alpert</b> , University of Missouri, Columbia, MO, USA	015
12:15	DILATED CARDIOMYOPATHY: VARIOUS ETIOLOGIES AND OUTCOME (Invited Lecture) <b>N.N. Kipshidze</b> , National Center of Therapy, Tbilisi, Georgia	016
12:30	ANEMIA IN HEART FAILURE (Invited Lecture) <b>J.N. Nanas</b> , University of Athens, Athens, Greece	017
12:45	TAKO-TSUBO CARDIOMYOPATHY (Invited Lecture) <b>S.N. Koulouris</b> , Evangelismos Hospital, Athens, Greece	018
13:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

## S21

## Session

**ACUTE CORONARY SYNDROMES, ACUTE MI, INTERVENTIONAL  
CARDIOLOGY**

Chairpersons: **M.R. Movahed**, Tuscon, AZ, USA  
**A.T. Weiss**, Jerusalem, Israel

Abstract No.

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|-------|---|-----|
| 10:45 | INTRAGRAFT ADMINISTRATION OF ABCIXIMAB AND VERAPAMIL COMBINED WITH DIRECT STENTING PREVENTS SLOW-FLOW AND NO-REFLOW PHENOMENON IN SAPHENOUS VEIN GRAFT PERCUTANEOUS CORONARY INTERVENTION<br><b>S. Sharma</b> , J.A. Lardizabal, A. Antonescu, B. Bhambi, W. Nyitray, K. Desai, T. Ishimori, Bakersfield Heart Hospital, Central Cardiology, Bakersfield, CA, USA | 019 |
| 11:00 | EARLY INVASIVE THERAPY VERSUS CONSERVATIVE MANAGEMENT IN ACUTE CORONARY SYNDROMES: A LONG-TERM ANALYSIS<br><b>D.J. Kumbhani</b> , A.A. Bavry, A.N. Rassi, D.L. Bhatt, A.T. Askari, Cleveland Clinic, Cleveland, OH, USA   | 020 |
| 11:15 | THE PREDICTOR AND PREDICTIVE VALUE ASSOCIATED WITH DISTAL EMBOLIZATION FOR THE PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION - VIRTUAL HISTOLOGY INTRAVASCULAR ULTRASOUND STUDY<br><b>R. Kawaguchi</b> , S. Oshima, H. Hoshizaki, K. Taniguchi, Gunma Prefectural Cardiovascular Center, Maebashi, Japan   | 021 |
| 11:30 | LYMPHOPENIA IN ACUTE PHASE OF ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION PREDICTS LONG-TERM REINFARCTION<br><b>J. Núñez</b> , V. Bodí, J. Sanchis, L. Mainar, G. Miñana, P. Merlos, P. Palau, E. Rumiz, E. Núñez, A. Yacer, Universitat de Valencia, Valencia, Spain  | 022 |
| 11:45 | ADP-INDUCED PLATELET AGGREGATION FREQUENTLY FAILS TO DETECT IMPAIRED CLOPIDOGREL-RESPONSIVENESS IN PATIENTS WITH CORONARY ARTERY DISEASE COMPARED TO A P2Y12-SPECIFIC ASSAY – INFLUENCE OF LOW HDL<br><b>A. Schaefer</b> , S. Weinberger, G. Ertl, J. Bauersachs, University of Wuerzburg, Wuerzburg, Germany   | 023 |
| 12:00 | MECHANISM OF THE REDUCED ASPIRIN ACTION IN PATIENTS AFTER CORONARY ARTERY BY-PASS SURGERY<br>T. Mattiello, R. Guerriero, L.V. Lotti, E. Trifiro', B. Pucci, P. Gazzaniga, F. Caporuscio, C. Gaudio, L. Frati, <b>F.M. Pulcinelli</b> , Sapienza University of Rome, Rome, Italy   | 024 |
| 12:15 | BACKWARDS INTO THE FUTURE OF MYOCARDIAL REGENERATION<br><b>W. Mohl</b> , D. Milasinovic, S. Mina, B. Syeda, G. Weigel, H. Kasahara, K. Komamura, G. Heinze, Medical University of Vienna, Vienna, Austria   | 025 |
| 12:30 | CLINICAL UTILITY OF GLUCOSE-INSULIN-POTASSIUM INFUSION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION: A POOLED META-ANALYSIS OF RANDOMIZED CONTROLLED CLINICAL TRIALS<br><b>S.A. Saha</b> , S. Katragadda, J. Molnar, R.R. Arora, Sacred Heart Medical Center, Spokane, WA, USA  | 026 |



**SUNDAY, JULY 27, 2008**

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**10:45 – 13:30**

S21 (cont.)

**Hall C**

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Abstract No.

- 12:45 PATIENTS WITH ISCHEMIC STROKE, INTRACRANIAL HEMORRHAGE, AND SUBARACHNOID HEMORRHAGE WITH INCREASED TROPONIN I LEVELS HAVE INCREASED HOSPITAL MORTALITY 027  
**R. Sandhu**, W.S. Aronow, A. Rajdev, R. Sukhija, H. Amin, A. Sangha, New York Medical College, Valhalla, NY, USA.
- 13:00 TRANSIENT AND PERSISTENT WORSENING RENAL FUNCTION IN SURVIVORS OF ACUTE MYOCARDIAL INFARCTION TREATED WITH PRIMARY ANGIOPLASTY 028  
**A. Goldberg**, H. Hammerman, R. Beyar, M. Kapeliovich, W. Markiewicz, A. Roguin, D. Aronson, Sieff Government Hospital, Safed, Israel, Cardiology
- 13:15 INCREASING TRENDS OF ACUTE MYOCARDIAL INFARCTION IN SPAIN: THE MONICA-CATALONIA PROJECT 029  
**S. Sans**, A. Puigdefabregas, G. Paluzie, D. Monterde, I. Balaguer-Vintro, Institute of Health Studies, Barcelona, Spain
- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

**S22**

**Session**

**ATHEROSCLEROSIS: PRIMARY PREVENTION, HYPERTENSION, DIABETES MELLITUS, OBESITY, METABOLIC SYNDROME**

Chairpersons: **S.S. Franklin**, Irvine, CA, USA  
**D. Polk**, Los Angeles, CA, USA

Abstract No.

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|-------|---|-----|
| 10:45 | STATIN PLUS CHOLESTEROL ABSORPTION INHIBITION GIVES GREATER LDL<br>F.F. Samaha, N. Iqbal, <b>D. Bregman</b> , H. Ashfaq, M.M. Williams, University of Pennsylvania, Philadelphia, PA, USA   | 030 |
| 11:00 | THE PRESENCE OF OBESITY IS STRONGLY ASSOCIATED WITH ESSENTIAL HYPERTENSION<br><b>M.R. Movahed</b> , M. Jamal, M. Hashemzadeh, University of Arizona Sarver Heart Center, Southern Arizona VA Health Care System, Tucson, AZ, USA  | 031 |
| 11:15 | IMPACT OF OBESITY ON MEASURES OF MORBIDITY AND MORTALITY IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFTING<br><b>M. Alam</b> , S.S. Virani, V. Nambi, V. Lee, M. Elayda, J.M. Wilson, C.M. Ballantyne, Baylor College of Medicine, Houston, Texas, USA   | 032 |
| 11:30 | EFFECT OF REDUCTION OF IRON STORES ON VASCULAR AND CANCER OUTCOMES IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE (PAD): VA COOPERATIVE STUDY #410, THE IRON AND ATHEROSCLEROSIS STUDY (FEAST)<br><b>L.R. Zacharski</b> , B.K. Chow, G. Shamayeva, P.W. Lavori, VA Medical Center, White River Jct., VT, Dartmouth Medical School, Lebanon, NH, USA | 033 |
| 11:45 | ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM INFUSION IN ACUTE MYOCARDIAL INFARCTION DOES NOT REDUCE THE RISK OF CARDIOVASCULAR EVENTS AT ONE YEAR: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS<br><b>S. Katragadda</b> , S.A. Saha, R. Arora, J. Molnar, St. Vincent Mercy Medical Center, Toledo, OH, USA                                    | 034 |
| 12:00 | EFFECTS OF RECOMBINANT ACE2 GENE ON OXIDATIVE STRESS LEVELS IN HUMAN ENDOTHELIAL CELLS<br><b>J.C. Zhong</b> , X.Y. Yu, Y. Huang, J.Y. Ye, Ningbo University, Ningbo, China  | 035 |
| 12:15 | IMPACT OF COMPUTERIZED DECISION SUPPORT ON BLOOD PRESSURE MANAGEMENT AND CONTROL: A RANDOMIZED CONTROLLED TRIAL<br><b>L.S. Hicks</b> , T. D. Sequist, J.Z. Ayanian, S. Shaykevich, D.F. Fairchild, E.J. Orav, D.W. Bates, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA   | 036 |
| 12:30 | ALDOSTERONE-TO-RENIN RATIO, INDEPENDENTLY PREDICTS BLOOD PRESSURE IN A POPULATION OF AFRICAN ANCESTRY<br><b>A.J. Woodiwiss</b> , D.G.A. Velietes, L. Scott, O.H.I. Majane, M.J. Maseko, J. Paiker, N. Crowther, P. Dessein, P. Sareli, G.R. Norton, University of the Witwatersrand, Johannesburg, South Africa                                   | 037 |
| 12:45 | OVERALL NUTRITIONAL QUALITY INDEX (ONQI): A CONSUMER GUIDANCE SYSTEM<br>D.L. Katz, V.Y. Njike, Z. Faridi, L.Q. Rhee, <b>K-T. Ayoob</b> , Yale School of Medicine, Derby, CT, USA  | 038 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

**POS 101 Poster Session  
ECHOCARDIOGRAPHY**

Board No.		Abstract No.
1	AFRICAN AMERICAN HAVE HIGHER PREVALENCE OF ABNORMAL ECG DOCUMENTED DURING SCREENING ECHOCARDIOGRAPHY <b>M.R. Movahed</b> , S. Bates, A. Martinez, S. Sattur, Southern Arizona VA Health Care System, University of Arizona, Tucson, AZ, USA	039
2	INDEPENDENT ASSOCIATION BETWEEN LEFT ATRIAL ENLARGEMENT AND ALL CAUSE MORTALITY C. Manrique, A. Martinez, M.A. Rahman, H.A. Guima, <b>M.R. Movahed</b> , University of Arizona, AZ, USA	040
3	SLEEP APNEA IS A LEADING CAUSE OF DIASTOLIC DYSFUNCTION <b>A.Q. Chan</b> , E.L. Lua, M.P. Chan, Stanford University, Stanford, Chanwell Clinic, San Jose, CA, USA	041
4	ATRIO-VENTRICULAR MECHANICAL FUNCTION OF THE RIGHT SIDE OF THE HEART <b>A. Lopez-Candales</b> , K. Edelman, B. Gulyasy, R. Bazaz, University of Pittsburgh, PA, USA	042
5	IMPACT OF BALLOON MITRAL VALVULOPLASTY (BMV) ON RIGHT VENTRICULAR FUNCTION AS ASSESSED BY STRAIN (S) AND STRAIN RATE IMAGING (SR): A TISSUE DOPPLER STUDY M.I. Ahmed, <b>O.A. Rifaei</b> , M.T. Fahim, Ain Shams University, Cairo, Egypt	043
6	ELECTROCARDIOGRAM, RESTING ECHOCARDIOGRAPHY, STRESS ECHOCARDIOGRAPHY IN PROFESSIONAL BASKETBALL PLAYERS K.K. Yeo, <b>W.J. Bommer</b> , UC Davis Medical Center, Sacramento, CA, USA	044
7	CHALLENGE IN ECHOCARDIOGRAPHIC DIAGNOSIS OF COMPLEX FORMS OF TOTAL ANOMALOUS PULMONARY VENOUS CONNECTION <b>E.S. Sinkovskaya</b> , E.V. Kholmanskaya, V.V. Plakhova, A.V. Sobolev, V.N. Makarenko, L.A. Bockeria, Bakoulev Center for Cardiovascular Surgery, Moscow, Russia	045
8	ECHOCARDIOGRAPHY IN NORMAL PREGNANCY: THE MAYO EXPERIENCE <b>G. Kumar</b> , S.N. Hayes, Mayo Clinic, Rochester, MN, USA	046
9	3D - TRICUSPID LEAFLET TETHERING AREA ASSESSED BY 3D ECHOCARDIOGRAPHY, AS A FOLLOW UP PARAMETER OF PULMONARY HYPERTENSION <b>I.A. Grapsa</b> , D. Dawson, P. Nihoyannopoulos, Hammersmith Hospital, Imperial College of London, London, UK	047

**POS 102 Poster Session**  
**MOLECULAR CARDIOLOGY, BASIC RESEARCH**

Board No.		Abstract No.
10	ORAL ADMINISTRATION OF AMINO ACIDIC SUPPLEMENTS IMPROVE PROTEIN AND ENERGY PROFILES IN SKELETAL MUSCLE OF AGED RATS, ELONGATING FUNCTIONAL PERFORMANCE AND ACCELERATING MITOCHONDRIAL RECOVERY IN ATP FOLLOWING EXHAUSTIVE EXERTION J.D. Rezze, C. Chen-Scarabelli, Z. Yuan, E. Kuizon, G.M. Scarabelli, G. Spears, L. Saravolatz, <b>T.M. Scarabelli</b> , Wayne State University, Detroit, MI, USA	048
11	DIFFERENTIAL MODULATION OF STAT1 AND STAT3 ACTIVATION BY ORAL AMINO ACID SUPPLEMENTATION IN THE ISCHEMIC/REPERF USED RAT MYOCARDIUM J.D. Rezze, C. Chen-Scarabelli, Z. Yuan, E. Kuizon, G.M. Scarabelli, G. Spears, L. Saravolatz, <b>T.M. Scarabelli</b> , Wayne State University, Detroit, MI, USA	049

**POS 103 Poster Session**  
**BIOCHEMICAL MARKERS OF ACUTE ISCHEMIA**

12	USEFULNESS OF PREPROCEDURAL N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE IN PREDICTING ANGIOGRAPHIC NO-REFLOW PHENOMENON DURING STENT IMPLANTATION IN PATIENTS WITH ST-SEGMENT ELEVATION ACUTE MYOCARDIAL INFARCTION <b>Y. Ahn</b> , S.N. Hong, N.S. Yoon, K.H. Kim, Y.J. Hong, H.W. Park, J.H. Kim, M.H. Jeong, J.G. Cho, J.C. Park, Chonnam National University Hospital, Gwangju, South Korea	050
13	ELEVATION OF SERUM CREATINE PHOSPHOKINASE IN MEDICAL INPATIENTS <b>S.X. Chen</b> , K.A. Amir, R.K. Bobba, E.L. Arsura, Richmond University, Staten Island, NY, USA	051
14	USEFULNESS OF SERUM N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE TO PREDICT IN-STENT RESTENOSIS IN PATIENTS WITH PRESERVED LEFT VENTRICULAR FUNCTION AND NORMAL TROPONIN I LEVELS <b>Y. Ahn</b> , S.N. Hong, N.S. Yoon, K.H. Kim, H.W. Park, Y.J. Hong, J.H. Kim, M.H. Jeong, J.G. Cho, J.C. Park, Chonnam National University Hospital, Gwangju, South Korea	052
15	SIGNIFICANCE OF ELEVATED TROPONIN-I LEVEL IN ENDSTAGE RENAL DISEASE <b>J. Havill</b> , E. Iheukamere, S. Kupershtokh, S. Grossman, F. Ebrahimi, Richmond University, Staten Island, NY, USA	053

**POS 104 Poster Session**  
**THE PLAQUE AND ACUTE CORONARY SYNDROMES**

Board No.		Abstract No.
16	THE EFFECT OF T0901317 ON ABCA1 AND NIEMANN-PICK TYPE C1 IN \APOE-/- MICE <b>C.K. Tang</b> , X.Y. Dai, X. Ou, X.R. Hao, D.L. Cao, Y.L. Tang, Y.W. Hu, X.X. Li, University of South China, Hengyang, Hunan, China	054
17	C-REACTIVE PROTEIN LEVELS AND ANGIOGRAPHIC ANATOMY IN UNSTABLE ANGINA <b>A. Gonzalez</b> , E. Silva, D. Inciarte, S. Briceno, C. Esis, M. Bracho, G. Hernandez, Universidad del Zulia, IECTAS, Maracaibo, Venezuela	055
18	ASSOCIATION OF HEPATITIS C VIRUS WITH ANGIOGRAPHICALLY DOCUMENTED OBSTRUCTIVE CORONARY ARTERY DISEASE <b>A. Asija</b> , W.S. Aronow, N. Ramdeen, S. Chugh, New York Medical College, Valhalla, NY, USA	056
19	MANAGEMENT OF NSTEMI. ARE WE FOLLOWING THE GUIDELINES? A COMPARISON WITH CRUSADE STUDY <b>S. Kadir</b> , H. Contractor, G. Kirkwood, A. Bainbridge, Royal Bolton Hospital, Bolton, Lancashire, UK	057
20	ACUTE MI WITHOUT DISRUPTED YELLOW PLAQUE IN YOUNG PATIENTS BELOW 50 YEARS OLD Y. Ueda, <b>K. Okada</b> , K. Matsuo, N. Ogasawara, T. Higo, M. Matsui, K. Kodama, Osaka Police Hospital, Osaka, Japan	058

**POS 105 Poster Session**  
**ACUTE MYOCARDIAL INFARCTION: THROMBOLYSIS AND REPERFUSION**

21	PROGNOSIS OF ACUTE CORONARY SYNDROME AT HIGH VERSUS LOW ALTITUDE YEMENI PATIENTS <b>M.A. Al Huthi</b> , Y.A. Raja'a, M. Al-Noami, A.R.A. Rahman, Tamar University, Tamar, Yemen	059
22	UTILITY OF THE FRONTAL PLANE QRS AXIS IN IDENTIFYING MYOCARDIAL INFARCTION IN PATIENTS WITH POOR R-WAVE PROGRESSION <b>V. Ariyarajah</b> , L. Prajapat, D.H. Spodick, St. Boniface General Hospital, University of Manitoba, Winnipeg, MB, Canada	060
23	EFFECTS OF NG-NITRO-ARGININE METHYLESTER (L-NAME) ON CORONARY BLOOD FLOW, MYOCARDIAL INFARCT SIZE, AND ON THE EXTENT OF THE NO-REFLOW PHENOMENON IN AN EXPERIMENTAL MODEL OF ISCHEMIA-REPERFUSION C. Pierakos, N. Lazaris, E. Charitos, J. Venetsanakos, H. Pozios, M. Bonios, <b>K. Malliaras</b> , E. Vavouris, N. Diakos, J. Nanas, University of Athens, Athens, Greece	061

**SUNDAY, JULY 27, 2008**

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08:30 – 12:30

POS 105 (cont.)

Poster Hall

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Board No.		Abstract No.
24	THE RELATIONSHIP BETWEEN CORONARY MICROCIRCULATORY REACTIVITY AND THE EXTENT OF NECROSIS IN THE INFARCTED AND REMOTE MYOCARDIUM <b>J.H. Koh</b> , M.Y. Kim, J.H. Kim, Kwandong University, Gyeonggi, Goyang, South Korea	062
25	PROGNOSTIC VALUE OF SELECTED PRESENTING FEATURES OF ACUTE CORONARY SYNDROME IN PREDICTING IN-HOSPITAL ADVERSE EVENTS <b>N. Chaowalit</b> , T. Yipintsoi, D. Tresukosol, R. Kanjanavanit, S. Kiatchoosakun, Siriraj Hospital, Mahidol University, Bangkok, Thailand	063
26	A YEARLONG TRACKING OF NON ISOLATED RIGHT VENTRICLE MYOCARDIAL INFARCTION IN CORONARY CARE UNIT <b>Z. Pekmezovic</b> , M. Mate, HC "Juzni Banat" Pancevo, Serbia	064
<b>POS 106</b>	<b>Poster Session</b> <b>DILATED CARDIOMYOPATHY: VARIOUS ETIOLOGIES</b>	
27	ISOPROTERENOL INDUCES PRIMARY LOSS OF DYSTROPHIN IN RAT HEARTS: CORRELATION WITH MYOCARDIAL INJURY E.C. Campos, M.M. Romano, C.M. Prado, M.R. Celes, <b>M.A. Rossi</b> , University of Sao Paulo, Sao Paulo, Brazil	065
28	TEI INDEX AND SPECTRUM OF DIASTOLIC ABNORMALITIES IN TAKOTSUBO CARDIOMYOPATHY <b>A. Mathew</b> , M. Kizilbash, D. Bhandare, L. Afonso, Wayne State University, Detroit, MI, USA	066
<b>POS 107</b>	<b>Poster Session</b> <b>RENAL ASPECTS – DIURETICS</b>	
29	HEMODYNAMIC RESPONSE TO EXERCISE PREDICTS THE DEVELOPMENT OF SEVERE RENAL FAILURE <b>A.R. Khoshdel</b> , S.L. Carney, AUMS, Tehran, Iran	067
30	PREVALENCE AND PREDICTORS OF RENAL ARTERY STENOSIS IN PATIENTS UNDERGOING CORONARY ANGIOGRAPHY <b>M. Ghasemi</b> , B. Broumand, L.M. Fard, Research Center of Endovascular Intervention, Tehran, Iran	068
<b>POS 108</b>	<b>Poster Session</b> <b>SUDDEN DEATH</b>	
31	AUTOMATED EXTERNAL CARADIOVERSION DEFIBRILLATION MONITORING IN TELEMETRY PATIENTS <b>B. Ali</b> , H.L. Bloom, E. Veledar, D. House, R. Norvel, S.C. Dudley, A.M. Zafari, Atlanta Veterans Affairs Medical Center, Decatur, Emory University, Atlanta, GA, USA	069

Board No.		Abstract No.
32	CLUSTERIZATION OF THE RELATIONSHIP BETWEEN SYMPATHETIC AND PARASYMPATHETIC ACTIVITY BY HEART RATE VARIABILITY ANALYSIS FOR RISK STRATIFICATION OF SUDDEN CARDIAC DEATH <b>A. Riftine</b> , Heart Rate Variability Institute, Edison, NJ, USA	070
<b>POS 109 Poster Session ELECTROPHYSIOLOGIC TECHNIQUES OF MAPPING AND RADIOFREQUENCY ABLATION</b>		
34	LEFT-SIDED ACCESSORY PATHWAY ABLATION THROUGH THE CORONARY SINUS IN YOUNG PATIENTS <b>H.R. Singh</b> , P.P. Karpawich, Children's Hospital of Michigan, Detroit, MI, USA	072
35	LEUKOCYTOSIS POST ATRIAL FIBRILLATION ABLATION - IS THERE A REASON TO WORRY? M. Biria, C. Annapureddy, J. Pillarisetti, E. Baryun, L. Berenbom, R. Pimentel, S. Vanga, D. Newton, M. Emert, D. Lakkireddy, <b>R. Pase-Sosland</b> , University of Kansas Hospital, Kansas City, KS, USA	073
36	CONTINUOUS CATHETER IMPEDANCE MEASUREMENTS GUIDES ABLATION OF ATRIOVENTRICULAR NODAL REENTRANT TACHYCARDIA <b>S.J. Pollak</b> , G. Monir, Florida Heart Institute, Orlando, FL, USA	074
<b>POS 110 Poster Session INTERVENTIONAL CARDIOLOGY I</b>		
37	DO WE NEED PROTECTION DEVICES FOR ANY PERIPHERAL ANGIOPLASTY? <b>M. Henry</b> , A. Polydorou, I. Henry, M. Hugel, Cabinet de Cardiologie, Nancy, France	075
38	NEW DISTAL EMBOLIC PROTECTION DEVICE USING A 3 DIMENSIONAL FILTER: FIBERNET FIRST HUMAN STUDY <b>M. Henry</b> , A. Polydorou, Ad. Polydorou, M. Hugel, Cabinet de Cardiologie, Nancy, France	076
39	REDUCED MORTALITY IN HIGH RISK PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION WITH DRUG-ELUTING STENTS <b>A. Varma</b> , A. Nusca, D.L. Appleton, M.J. Lipinski, E. Goudreau, M.J. Cowley, M. Wittkamp, A. Abbate, G.W. Vetrovec, Virginia Commonwealth University Pauley Heart Center, Richmond, VA, USA	077
40	ANATOMIC VARIABLES THAT DETERMINE ENDOVASCULAR STENT SIZE WHEN TREATING ABDOMINAL AORTIC ANEURYSMS <b>M. Kilian</b> , W. Dang, C. Cina, McMaster University, Hamilton, ON, Canada	078

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41	COMPARISON OF TRANSRADIAL AND TRANSFEMORAL APPROACH FOR CORONARY ANGIOGRAPHY AND INTERVENTION: A PROSPECTIVE RANDOMIZED STUDY <b>A. Goldberg</b> , I. Nordkin, M. Halabi, R. Klein, A. Marmor, Sieff Government Hospital, Safed, Israel	079
42	DIFFERENCES IN UTILIZATION OF DRUG-ELUTING STENTS BY RACE AND PAYER <b>M.J. Racz</b> , E.L. Hannan, New York State Department of Health, Albany, New York, USA	080
43	RESULTS OF PERCUTANEOUS CORONARY INTERVENTION IN ELDERLY PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROMES <b>A. Zaky</b> , B. Ramadan, Alexandria University, Alexandria, Egypt	081
44	GENDER DIFFERENCES IN THE IN-HOSPITAL OUTCOME OF GP- IIB/IIIA INHIBITOR THERAPY DURING CORONARY STENTING WITH DRUG-ELUTING STENTS <b>V.N. Singh</b> , M. Nelson, K. Garner, T. Law, University of South Florida, Tampa, FL, USA	082
45	ENDOVASCULAR TREATMENT OF PATENT DUCTUS ARTERIOSUS AND TYPE B AORTIC DISSECTION IN A PATIENT WITH PULMONARY ARTERY DISSECTION <b>I. Bakir</b> , I. Degrieck, H. Vanermen, F. Wellens, Siyami Ersek Thoracic & Cardiovascular Surgery Center, Istanbul, Turkey	083
46	INCIDENCE OF TRANSRADIAL ACCESS SITE BLEEDING COMPLICATIONS; A COMPARISON OF EFFICACY BETWEEN THE RADI-STOP® AND THE TR BAND™ COMPRESSION DEVICES <b>T.S. Lo</b> , E.S. Lee, S. Krishnamoorthy, E. Fountzopoulos, A. Nadir, R. Butler, M. Gunning, J. Creamer, J. Nolan, University Hospital of North Staffordshire, Stoke-on-Trent, UK	

**PL: 03 Plenary Session  
ARRHYTHMIA AND ELECTROPHYSIOLOGY/ CARDIAC PACING AND  
DEFIBRILLATION/CARDIAC RESYNCHRONIZATION THERAPY**

Chairpersons: **M.E. Cain**, Buffalo, NY, USA  
**S.F. Nagueh**, Houston, TX, USA

		Abstract No.
14:00	ROLE OF PSYCHOLOGICAL FACTORS IN TRIGGERING OF ARRHYTHMIAS (Invited Lecture) <b>R. Lampert</b> , Yale School of Medicine, New Haven, CT, USA	084
14:15	IMPACT OF NONINVASIVE TESTING ON IMPROVING IDENTIFICATION OF PATIENTS VULNERABLE TO SUSTAINED VENTRICULAR ARRHYTHMIAS (Invited Lecture) <b>M.E. Cain</b> , University at Buffalo, Buffalo, NY, USA	085
14:30	CARDIAC RESYNCHRONIZATION THERAPY IN HEART FAILURE PATIENTS: HOW TO PREDICT RESPONDERS (Invited Lecture) <b>M.H. Pitzalis</b> , East Carolina University, Greenville, NC, USA	086
14:45	DYSSYNCHRONY IN DIASTOLIC HEART FAILURE (Invited Lecture) <b>S.F. Nagueh</b> , Methodist De Bakery Heart and Vascular Institute, Houston, TX, USA	087
15:00	HOW TO SELECT THE APPROPRIATE CANDIDATES FOR CARDIAC RESYNCHRONIZATION THERAPY (Invited Lecture) <b>M. Haghjoo</b> , Iran University of Medical Sciences, Tehran, Iran	088
15:15	PSYCHOSOCIAL ADAPTATION AND QUALITY-OF-LIFE IN PATIENTS WITH PACEMAKERS AND IMPLANTABLE DEFIBRILLATORS (Invited Lecture) <b>F. Duru</b> , University Hospital of Zurich, Zurich, Switzerland	089
15:30	CLINICAL CHARACTERISTICS AND RISK STRATIFICATION IN BRUGADA SYNDROME (Invited Lecture) <b>M. Takagi</b> , Y. Sekiguchi, Y. Yokoyama, N. Aihara, K. Aonuma, M. Hiraoka, Osaka City University, Osaka, Japan	090
15:45	AN ATHLETE'S HEART MAY HARBOUR PROARRHYTHMIC CHANGES (Invited Lecture) <b>H. Heidbuchel</b> , University of Leuven, Leuven, Belgium	091
16:00	LONG QT SYNDROME: SHOULD AN ICD BE USED? (Invited Lecture) <b>J.P. Daubert</b> , University of Rochester Medical Center, Rochester, NY, USA	092
16:15	UPDATE IN SYNCOPE MANAGEMENT: APPLICATIONS OF THE NEW GUIDELINES (Invited Lecture) <b>D. Flammang</b> , La Croix Rousse University Hospital, Lyon, France	093
16:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL: 04      Plenary Session  
NEW DEVELOPMENTS IN CARDIAC IMAGING**

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

		Abstract No.
14:00	CLINICAL APPLICATION OF 3D ECHO (Invited Lecture) <b>T. Shiota</b> , The Cleveland Clinic Foundation, Cleveland, OH, USA	094
14:15	ATHEROSCLEROSIS IMAGING: A CT/MR PERSPECTIVE (Invited Lecture) <b>S. Rajagopalan</b> , Ohio State University, Columbus, OH, USA	095
14:30	DIAGNOSTIC AND PROGNOSTIC VALUE OF ECG CRITERIA FOR MYOCARDIAL INFARCTION IN COMPARISON WITH DELAYED-ENHANCEMENT MAGNETIC RESONANCE IMAGING (Invited Lecture) <b>R. Krittayaphong</b> , Siriraj Hospital, Mahidol University, Bangkok, Thailand	096
14:45	RISK STRATIFICATION WITH STRESS ECHOCARDIOGRAPHY (Invited Lecture) <b>A. Elhendy</b> , Marshfield, WI, USA	097
15:00	ASSESSMENT OF LEFT VENTRICULAR TORSION BY ECHOCARDIOGRAPHY: IS IT TIME TO DO THE TWIST? (Invited Lecture) <b>J.N. Bella</b> , Bronx-Lebanon Hospital Center, Albert Einstein College of Medicine, Bronx, NY, USA	098
15:15	PROGNOSTIC VALUE OF CARDIOVASCULAR MAGNETIC RESONANCE IMAGING IN PATIENTS WITH ISCHEMIC HEART DISEASE (Invited Lecture) <b>V. Bodi</b> , Hospital Clinico Universitario, Valencia, Spain	099
15:30	NEW ASPECTS OF ULTRASOUND CONTRAST IN CARDIOLOGY (Invited Lecture) <b>A.H. Jansen</b> , Canisius Wilhelmina Hospital, Nijmegen, The Netherlands	100
15:45	NON-INVASIVE ASSESSMENT OF VASCULAR LOAD AND VENTRICULAR-VASCULAR COUPLING: A FOCUS ON ECHOCARDIOGRAPHY (Invited Lecture) <b>J.A. Chirinos</b> , University of Pennsylvania, VA Medical Center, Philadelphia, PA, USA	101
16:00	COMPARISON OF CARDIAC MDCT AND TEE IN DETECTING HIGH RISK EMBOLIC SOURCES S.B. Ko, Y. Ko, J.H. Park, S.I Choi, EJ Chun, S.J Lee, M.K Han, <b>H.J. Bae</b> , Seoul National University Bundang Hospital, Seongnam-si, Gyeonggi-do, Korea	102
16:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**S23**

**Session**

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

Chairpersons: **Y. Birnbaum**, Galveston, TX, USA  
**C.J. Chen**, Houston, TX, USA

Abstract No.

14:00	OMEGA-3-ACID ETHYL ESTERS REDUCES SMALL DENSE LOW DENSITY LIPOPROTEINS REGARDLESS OF THE BASELINE LIPID PROFILE <b>S.M. Attia</b> , K.H. Nader, Tanta University, Tanta, Egypt	103
14:15	INADEQUATE ATTAINMENT OF RECOMMENDED LIPID LEVELS IN TREATED PATIENTS <b>G.A. Nichols</b> , B.M. Ambegaonkar, V. Sazonov, J.B. Brown, Kaiser Permanente Center for Health Research, Portland, OR, USA	104
14:30	ATERONON: FIRST CLINICALLY PROVEN ANTI-ATHEROGENIC ANTIOXIDANT <b>I.M. Petyaev</b> , N.E. Chalyk, Cambridge Theranostics Ltd., Cambridge, UK	105
14:45	PROGNOSTIC SIGNIFICANCE OF INCIDENT COMPLETE LEFT BUNDLE BRANCH BLOCK OBSERVED OVER A 40-YEAR PERIOD <b>S. Seto</b> , R. Imanishi, S. Ichimaru, E. Nakashima, M. Akahoshi, Nagasaki University, Nagasaki, Japan	106
15:00	IMPAIRED GLUCOSE TOLERANCE STRONGLY AND SIGNIFICANTLY INCREASES THE RISK OF FUTURE VASCULAR EVENTS IN ANGIOGRAPHIED CORONARY PATIENTS H. Sourij, <b>C.H. Saely</b> , S. Aczel, H. Jahnel, R. Zweiker, T. Marte, G. Hoefle, W. Benzer, T.C. Wascher, H. Drexel, VIVIT Institute, Feldkirch, Austria	107
15:15	A SIMPLE PROGNOSTIC CLASSIFICATION MODEL FOR POST-PROCEDURAL COMPLICATIONS FOLLOWING PERCUTANEOUS CORONARY INTERVENTION FOR ACUTE MYOCARDIAL INFARCTION: RESULT BASED ON NEW YORK STATE PERCUTANEOUS CORONARY INTERVENTION DATABASE <b>A. Negassa</b> , Albert Einstein College of Medicine, New York, USA	109
15:30	EFFECT OF ONCE WEEKLY ROSUVASTATIN ON LDL-C IN PATIENTS WITH PRIOR STATIN INTOLERANCE <b>J.M. Backes</b> , J.F. Ruisinger, C.A. Gibson, P.M. Moriarty, Kansas University Medical Center (KUMC), Kansas City, KS, USA	110
15:45	HDL MORE THAN LDL: AN ACHIEVABLE GOAL K.J. Reddy, J.R. Bangit, A.Z. Khan, <b>M.S. Zaheer</b> , Reddy Cardiac Wellness, Sugar Land, TX, USA	111
16:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**S24**

**Session  
VASCULAR BIOLOGY, BASIC RESEARCH**

Chairpersons: **S.B. Wheatcroft**, Leeds, UK  
**P.K. Singal**, Winnipeg, MB, Canada

Abstract No.

14:00	OVEREXPRESSION OF CU/ZN-SUPEROXIDE DISMUTASE AND/OR CATALASE REDUCES BENZO (A)PYRENE-INDUCED ATHEROSCLEROSIS IN APOLIPOPROTEIN E-DEFICIENT MICE <b>Z. Guo</b> , Meharry Medical College, TN, USA	112
14:15	THE ANGIOPOIETIN I +1602 A/T POLYMORPHISM ATTENUATES MICRORNA BINDING AND INCREASES RISK OF HEMORRHAGIC STROKE <b>T. Yang</b> , J. Chen, S. Yi, K. Sun, R.T. Hui, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China	113
14:30	THE CX3C CHEMOKINE FRACTALKINE ENHANCES VASCULAR DYSFUNCTION AND AGGRAVATES PLATELET ACTIVATION IN RATS WITH CHRONIC HEART FAILURE <b>A. Schaefer</b> , C. Schulz, D. Fraccarollo, C. Schoepp, J.P. Frang, G. Ertl, S. Massberg, J. Bauersachs, University of Wuerzburg, Wuerzburg, Germany	114
14:45	CD40L IS UP-REGULATED BY TUMOR NECROSIS FACTOR IN PATIENTS WITH HEART FAILURE <b>P. Pignatelli</b> , F. Violi, University of Rome La Sapienza, Rome, Italy	115
15:00	APOLIPOPROTEIN E-DEFICIENT LIPOPROTEINS INDUCE FOAM CELL FORMATION BY ACTIVATION OF UNFOLDED PROTEIN RESPONSES <b>H. Yang</b> , Z. Guo, Meharry Medical College, TN, USA	116
15:15	THE EFFECTS OF RIVAROXABAN – AN ORAL, DIRECT FACTOR XA INHIBITOR – ON CLOT STRUCTURE AND DEGRADABILITY R. Varin, S. Mirshahi, P. Mirshahi, H. Li, G. Kierzek, J.F. Vigneau, E. Perzborn, M. Mirshahi, C. Soria, <b>J. Soria</b> , Centre de Recherche des Cordeliers, Paris, France	117
15:30	DIFFERENCES BETWEEN NEW AND CLASSIC INTRAVENOUS IRON PREPARATIONS ON CARDIOVASCULAR TOXICITY IN NORMAL RATS <b>J.E. Toblli</b> , G. Cao, L. Oliveri, M. Angerosa, Hospital Alemán, Buenos Aires, Argentina	118
15:45	SYSTEMIC AND REGIONAL HEMODYNAMICS OF HYPOXIC PIGLETS TREATED WITH N <sup>G</sup> -MONOMETHYL-L-ARGININE AFTER RESUSCITATION T.F. Lee, C. Tymafichuk, <b>P.Y. Cheung</b> , University of Alberta, Edmonton, AB, Canada, Beijing, China	119

**SUNDAY, JULY 27, 2008**

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14:00 – 17:00

S24 (cont.)

Hall D

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Abstract No.

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| 16:00 | ORAL L-ARGININE IS A REPAIRMAN BUT NOT AN ENHANCER OF ENDOTHELIAL FUNCTION: SYSTEMATIC REVIEW AND META-ANALYSIS<br><b>Y.Y. Bai</b> , L. Sun, T. Yang, K. Sun, J.Z. Chen, R.T. Hui,<br>Chinese Academy of Medical Sciences, Peking Union Medical College,                         | 120 |
| 16:15 | DIFFERENTIAL EXPRESSION OF FRACTALKINE AND MONONUCLEAR CELL RECRUITMENT BY HUMAN ARTERIAL OR VEIN ENDOTHELIAL CELLS STIMULATED WITH ANGIOTENSIN-II<br>M. Losada, L. Piqueras, C. Lopez-Gines, C. Company, C. Rius,<br><b>M.J. Sanz</b> , University of Valencia, Valencia, Spain | 121 |
| 16:30 | INTERLEUKIN-18 (IL-18), ENDOTHLIN-1 AND ALDOSTERONE INDUCE SMOOTH MUSCLE SENESENCE VIA RHO-KINASE- AND PPAR- DEPENDENT PATHWAY<br><b>T. Akagami</b> , T. Sakoda, T. Doi, T. Naka, T. Tsujino, T. Masuyama,<br>M. Ohyanagi, Hyogo College of Medicine, Hyogo Japan                | 122 |
| 16:45 | CHLAMYDIA INFECTION IN CARDIOVASCULAR PATHOLOGY: SEQUEL II<br><b>I.M. Petyaev</b> , N.A. Zigangirova, Cambridge Theranostics Ltd.,<br>Cambridge, UK  | 123 |
| 17:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**PL: 05 Plenary Session**  
**THE RELEVANCE OF GENETICS IN PROVIDING AN UNDERSTANDING OF**  
**CARDIOVASCULAR DISEASES**

Chairpersons: **H. Boudoulas**, Athens, Greece  
**K. Maiese**, Detroit, MI, USA

Abstract No.

16:45	GENETICS OF CORONARY ARTERY DISEASE IN FAMILIES (Invited Lecture) <b>L.C. Becker</b> , D.M. Becker, Johns Hopkins University, Baltimore, MD, USA	
17:00	GENETICS OF MYOCARDIAL INFARCTION (Invited Lecture) <b>R. Roberts</b> , University of Ottawa Heart Institute, Ottawa, ON, Canada	125
17:15	GETTING TO THE POINT: FORKHEAD TRANSCRIPTION FACTORS IN THE VASCULAR SYSTEM (Invited Lecture) <b>K. Maiese</b> , Wayne State University, Detroit, MI, USA	126
17:30	PHARMACOGENETICS AND PHARMACOGENOMICS IN CARDIOLOGY (Invited Lecture) <b>H. Boudoulas</b> , Biomedical Research Foundation, Ohio State University, Academy of Athens, Athens, Greece	127
17:45	GENETICS AND METABOLIC RISK OF ATHEROSCLEROSIS (Invited Lecture) <b>R.A. Hegele</b> , University of Western Ontario, London, ON, Canada	128
18:00	IDENTIFICATION OF MI-SUSCEPTIBILITY GENES USING GENOME-WIDE LINKAGE ANALYSIS (Invited Lecture) <b>M. Yokota</b> , H. Asano, S. Miyata, M. Nakatochi, M. Sukegawa, H. Izawa, Aichi-Gakuin University, Nagoya, Japan	129
18:15	DE-REGULATED EXPRESSION OF E2F-1 INCREASES BNIP3 AND CELL DEATH OF VENTRICULAR MYOCYTES DURING HYPOXIA (Invited Lecture) J. Shaw, N. Yurkova, <b>L.A. Kirshenbaum</b> , St. Boniface General Hospital Research Centre, Winnipeg, MB, Canada	130
18:30	GENE-TARGETING OF NATRIURETIC PEPTIDE RECEPTOR-A REVEALS ITS ROLE IN CARDIAC HYPERTROPHY (Invited Lecture) <b>K.N. Pandey</b> , Tulane University, New Orleans, LA, USA	131
18:45	DNAZYMES IN THE TREATMENT OF CARDIOVASCULAR DISEASE (Invited Lecture) V.L. Benson, L.M. Khachigian, <b>H.C. Lowe</b> , Concord Repatriation General Hospital, NSW, Australia	132
19:00	ROLE OF PHOSPHOLIPASE C IN CARDIAC HYPERTROPHY (Invited Lecture) <b>P.S. Tappia</b> , University of Manitoba, Winnipeg, MB, Canada	133

**PL: 06 Plenary Session**  
**MODIFICATION OF RISK FACTORS AND CAD, DYSLIPOPROTEINEMIA, HYPERTENSION, DIABETES MELLITUS AND METABOLIC SYNDROME**

Chairpersons: **G.S. Berenson**, New Orleans, LA, USA  
**C. Rosendorff**, New York, NY, USA

		Abstract No.
16:45	A GUIDE TO THE NEW GUIDELINES FOR THE MANAGEMENT OF HYPERTENSION (Invited Lecture) <b>C. Rosendorff</b> , Mount Sinai School of Medicine, New York, NY, USA	134
17:00	METABOLIC SYNDROME IN CHILDHOOD AND ITS IMPACT ON ADULT HEART DISEASE: THE BOGALUSA HEART STUDY (Invited Lecture) <b>G.S. Berenson</b> , Tulane University, New Orleans, LA, USA	135
17:15	PULSE PRESSURE, DIASTOLIC BLOOD PRESSURE AND THE J-CURVE OF CARDIOVASCULAR DISEASE RISK (Invited Lecture) <b>S.S. Franklin</b> , University of California, Irvine, CA, USA	136
17:30	PROTEIN KINASE A REGULATES APOLIPOPROTEIN E SECRETION BY MACROPHAGES (Invited Lecture) <b>L. Kritharides</b> , University of Sydney, Sydney, NSW, Australia	138
17:45	HIV PROTEASE INHIBITOR RITONAVIR INHIBITS CHOLESTEROL EFFLUX FROM HUMAN MACROPHAGE-DERIVED FOAM CELLS (Invited Lecture) <b>C. Chen</b> , X. Wang, H. Mu, H. Chai, D. Liao, Q. Yao, Baylor College of Medicine, Houston, TX, USA	139
18:00	DIETARY STRATEGIES FOR HYPERTENSION PREVENTION: PROGRESS AND PROMISE (Invited Lecture) <b>H.D. Sesso</b> , Brigham & Women's Hospital, Boston, MA, USA	140
18:15	INTENSIVE STATIN THERAPY IN CHD - A REVIEW OF THE EVIDENCE (Invited Lecture) <b>K.K. Ray</b> , University of Cambridge, Cambridge, England	141
18:30	COMBINATION THERAPY IN LIPID MANAGEMENT (Invited Lecture) <b>D. Polk</b> , Cedars-Sinai Medical Center, Los Angeles, CA, USA	142
18:45	RETROSPECTIVE ANALYSIS OF LIPIDS PROFILE IN A CARDIOLOGY PRACTICE (Invited Lecture) <b>Y. Charuzi</b> , J. Mirocha, T.W. Lang, Cedars Sinai Medical Center, Los Angeles, CA, USA	143
19:00	TACKLING THE DIABETIC PLATELET (Invited Lecture) <b>D.J. Angiolillo</b> , University of Florida, Jacksonville, FL, USA	144

## S25

## Session

**ARRHYTHMIAS I: SUDDEN CARDIAC DEATH / IMPLANTABLE ANTIARRHYTHMIC DEVICES / PACING / CRT**

Chairpersons: **R. Lampert**, New Haven, CT, USA  
**P. Whittaker**, Worcester, MA, USA

Abstract No.

16:45	STRONG INDEPENDENT ASSOCIATION BETWEEN TYPE 2 DIABETES MELLITUS AND THIRD DEGREE AV-BLOCK <b>M.R. Movahed</b> , M. Hashemzadeh, Southern Arizona VA, Health Care System, University of Arizona, Tucson, AZ, USA	145
17:00	HIGH INCIDENCE OF RADIOTHERAPY-INDUCED MALFUNCTION OF PERMANENT PACEMAKERS AND ICDS: A SINGLE CENTER EXPERIENCE D.W. Ng, <b>F.J. Tondato</b> , G.A. Ezzell, D. Sorajja, E. Wissner, K. Srivathsan, G.T. Altemose, M.Y. Halyard, L.R. Scott, Mayo Clinic Arizona, Scottsdale, AZ, USA	146
17:15	PRECORDIAL T-PEAK DISPERSION IS GREATER IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK THAN IN PATIENTS WITH RIGHT BUNDLE BRANCH BLOCK OR NARROW QRS: A NOVEL MARKER OF DYSSYNCHRONY? G. Mark, <b>S. Natan</b> , E. Rhim, A.J. Greenspon, R.T. Ho, B.B. Pavri, Cooper University Hospital, Camden, NJ, USA	147
17:30	ECHOCARDIOGRAPHY TO PREDICT LONG-TERM REVERSE REMODELING AFTER CARDIAC RESYNCHRONIZATION THERAPY; VALUE OF QUALITATIVE OBSERVATION <b>A.H.M. Jansen</b> , F. Bracke, J.M. van Dantzig, A. Meijer, C.H. Peels, P.H. van der Voort, H.H.M. Korsten, N.M. van Hemel, Canisius-Wilhelmina Hospital, Nijmegen, The Netherlands	148
17:45	THE IMPACT OF CARDIAC RESYNCHRONIZATION THERAPY ON KANSAS CITY CARDIOMYOPATHY QUESTIONNAIRE (KCCQ) SCORE IN PATIENTS WITH CONGESTIVE HEART FAILURE M. Biria, J. Pillarisetti, C. Annapureddy, E. Baryun, L. Berenbom, R. Pimentel, J. Vacek, M. Emert, C. Porter, D. Lakkireddy, <b>K. Dalton</b> , University of Kansas Hospital, Kansas City, KS, USA	149
18:00	SURVIVAL IS SIMILAR AFTER STANDARD TREATMENT AND CHEST COMPRESSION ONLY IN OUT-OF-HOSPITAL BYSTANDER CARDIOPULMONARY RESUSCITATION <b>K.E. Bohm</b> , M. Rosenqvist, J. Herlitz, J. Hollenberg, L. Svensson, Karolinska Institutet, Sodertjukhuset, Stockholm, Sweden	150
18:15	DOES SEVERITY OF SLEEP APNEA CORRELATE WITH RISK OF ARRHYTHMIC DEATH? <b>A.Q. Chan</b> , E.L. Lua, M.P. Chan, Stanford University, Stanford, CA, USA	151
18:30	VALUE OF ROUTINE DFT TESTING AT TIME OF ICD PULSE GENERATOR REPLACEMENT <b>M. Singh</b> , J. Akar, J. Cytron, N. Varma, D. Wilber, P. Santucci, Loyola University, Maywood, IL, USA	152

		Abstract No.
18:45	<p>PREVALENCE OF APPROPRIATE CARDIOVERTER-DEFIBRILLATOR SHOCKS IN 1,038 CONSECUTIVE PATIENTS WITH IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS</p> <p><b>A. Kruger</b>, W.S. Aronow, H.M. Lai, H. Desai, A. Singla, W.H. Frishman, M. Cohen, C. Sorbera, New York Medical College, Valhalla, NY, USA</p>	153
19:00	<p>EFFECT OF PACING THE RIGHT VENTRICULAR LOW SEPT TRACT IN PATIENTS WITH PERMANENT ATRIAL FIBRILLATION AND LOW EJECTION FRACTION</p> <p><b>C. Muto</b>, L. Ottaviano, G. Carreras, M. Canciello, R. Calvanese, L. Asocione, B. Tuccillo, S.M. Loreto Mare Hospital, Ospedale Buon Consiglio Fatebenefratelli, Napoli, Italy</p>	154
19:15	<p>OUTCOMES AND COST ANALYSIS OF TRANSVENOUS VS PROPHYLACTIC INTRAOPERATIVE IMPLANTATION OF CRT LEADS (PROPEL STUDY)</p> <p>M. Biria, E. Baryun, J. Vacek, <b>K. Dalton</b>, M. Earnest, M. Emert, R. Pimentel, D. Lakkireddy, L. Berenbom, University of Kansas Hospital, Kansas City, KS, USA</p>	155
19:30	<p>INCIDENCE OF MORTALITY IN 1,040 PATIENTS WITH CARDIOVASCULAR DISEASE WITH NORMAL AND ABNORMAL QRS DURATION AND WITH NORMAL AND ABNORMAL LEFT VENTRICULAR EJECTION FRACTION</p> <p><b>H.M. Lai</b>, W.S. Aronow, A. Rajdev, A. Asija, K.V. Lai, J. George, J.A. McClung, New York Medical College, Valhalla, NY, USA</p>	156
19:45	<p>PREVALENCE AND PROGNOSIS FOR SYNCOPE AMONG CARDIAC TRANSPLANT RECIPIENTS</p> <p><b>M.A. Caccamo</b>, D.J. Cantillon, E.Z. Gorodeski, W. Saliba, B.L. Wilkoff, R.C. Starling, Cleveland Clinic Foundation, Cleveland, OH, USA</p>	157

**S26 Session**  
**INTERVENTIONAL CARDIOLOGY**

Chairpersons: **F. Dagenais**, Quebec, QC, Canada

		Abstract No.
16:45	<p>RECURRENT REVASCULARIZATION AFTER IMPLANTATION OF DRUG ELUTING STENTS: RESTENOSIS OR PROGRESSION OF ATHEROSCLEROTIC DISEASE <b>M. Fineschi</b>, T. Gori, Hospital of Siena, Siena, Italy</p>	158
17:00	<p>A NEW CONCEPT OF STENT - THE MULTILAYER STENT: FIRST HUMAN STUDY IN PERIPHERAL ANEURYSM <b>M. Henry</b>, A. Polydorou, N. Frid, P. Gruffaz, I. Henry, M. Hugel, Cabinet de Cardiologie, France</p>	159
17:15	<p>CONTRAST-INDUCED NEPHROPATHY AFTER LOW - OR ISO-OSMOLAR CONTRAST MEDIA USE IN HIGH RISK PATIENTS: DATA FROM THE CARE TRIAL <b>A. Moreyra</b>, J. Reiner, C.S. Staniloae, S.K. Sharma, R.E. Katholi, R.J. Solomon, University of Medicine and Dentistry, New Brunswick, NJ, USA</p>	160
17:30	<p>DO DISTAL EMBOLIC PROTECTION DEVICES IMPROVE OUTCOMES OF PERCUTANEOUS TREATMENT OF SAPHENOUS VEIN GRAFT LESIONS? <b>A.A. Hilliard</b>, R.J. Lennon, L.N. Hammes, C.S. Rihal, D.R. Holmes, V. Mathew, Mayo Clinic, Rochester, MN, USA</p>	161
17:45	<p>A RANDOMIZED COMPARISON OF PACLITAXEL-ELUTING STENTS VERSUS BARE-METAL STENTS FOR TREATMENT OF UNPROTECTED LEFT MAIN CORONARY ARTERY STENOSIS: LONG TERM FOLLOW-UP <b>A. Erglis</b>, I. Narbute, S. Jegere, I. Kumsars, K. Trusinskis, Latvian Centre of Cardiology, Riga, Latvia</p>	162
18:00	<p>CAROTID STENTING IN SYMPTOMATIC VS. ASYMPTOMATIC PATIENTS - SINGLE CENTER EXPERIENCE FROM 600 CONSECUTIVE CAROTID INTERVENTIONS WITH NEUROPROTECTION <b>R. Hein</b>, F. Beier, M. Hug, H. Strohm, H. Mudra, Städtisches Klinikum Muenchen GmbH, Klinikum Neuperlach, Munich, Germany</p>	163
18:15	<p>THE SAFETY AND EFFICACY OF GPRE-CLOSURE H UTILIZING THE CLOSER™ SUTURE-MEDIATED VASCULAR CLOSURE DEVICE FOR ACHIEVEMENT OF HEMOSTASIS IN PATIENTS FOLLOWING CORONARY INTERVENTIONS: RESULTS OF THE SECOND PERCLOSE ACCELERATED AMBULATION AND DISCHARGE (PARADISE II) TRIAL <b>K. Nasu</b>, E. Tsuchikane, O. Katoh, T. Matsubara, T. Suzuki, Toyohashi Heart Center, Toyohashi, Aichi, Japan</p>	164
18:30	<p>PERCUTANEOUS CORONARY INTERVENTION IN OCTOGENARIANS: AN OUTCOME ANALYSIS A.K. Kondur, A. Niraj, J. Pradhan, V. Veeranna, <b>H. Fakhry</b>, L. Afonso, Wayne State University, Detroit, MI, USA</p>	165
18:45	<p>ANACONDA ENDOVASCULAR LIMBS FOR TREATMENT OF POPLITEAL ARTERY ANEURYSMS <b>T. Rapanos</b>, R. Moore, C.S. Cina, McMaster University, Hamilton, ON, Canada</p>	166

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16:45 – 19:15

S26 (cont.)

Hall D

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Abstract No.

19:00      MINIMALLY INVASIVE MITRAL SURGERY: SHOULD IT BE CONSIDERED      167  
STATE OF THE ART FOR ISOLATED MITRAL DISEASE? (Invited Lecture)  
**F. Dagenais**, Laval Hospital, Quebec, QC, Canada

**POS 201 Poster Session  
VASCULAR BIOLOGY, BASIC RESEARCH**

Board No.		Abstract No.
1	<p>THYPOXIA INCREASES THE EXPRESSION OF RESISTIN IN CULTURED VASCULAR SMOOTH MUSCLE CELLS THROUGH ERK AND NFAT PATHWAY <b>K.G. Shyu</b>, B.W. Wang, H.F. Hung, H. Chang, Shin Kong Wu Ho-Su Memorial Hospital, Taipei, Taiwan</p>	168
2	<p>INTERLEUKIN-4 INDUCES MONOCYTE CHEMOATTRACTANT PROTEIN-1 EXPRESSION IN VIVO AND IN VITRO <b>Y.W. Lee</b>, W.H. Lee, Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA, USA</p>	169
3	<p>ASPIRIN-TRIGGERED LIPOXIN BLOCK ROS GENERATION IN ENDOTHELIAL CELLS: POSSIBLE ROLE IN CARDIOVASCULAR DISEASES V. Nascimento-Silva, M.A. Arruda, C. Barja-Fidalgo, <b>I.M. Fierro</b>, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, RJ, Brasil</p>	170
4	<p>ALDOSTERONE SIGNALING MODIFIES ENDOTHELIAL CELL VOLUME <b>M. Mirshahi</b>, UMRS 872, E 18, Faculte de Medicine Paris VI, Paris, France</p>	171
5	<p>EFFECTS OF ERYTHROPOIETIN AND SELENIUM ON SOME HEMATOLOGICAL PARAMETERS IN GENTAMICIN INDUCED ANEMIA IN MALE ALBINO RATS <b>M. Surchi</b>, D. Quretany, Department of Biology, College of Science, Salahaddin University, Erbil, Iraq</p>	172

**POS 202 Poster Session  
PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE I**

6	<p>FACTOR XIII DEFICIENCY AFTER "OPEN HEART" SURGERY IN CHILDREN: POTENTIAL TARGET FOR PHARMACOLOGICAL THERAPY L.A. Bockeria, N.N. Samsonova, I.A. Yurlov, L.G. Klimovitch, E.F. Kozar, I. Tsagareli, N.N. Eliseev, E.H.N. Olsen, M. Carr, <b>S.B. Zaets</b>, Novo Nordisk US, North Brunswick, NJ, USA</p>	173
7	<p>DIAGNOSTIC VALIDITY OF AUSCULTATORY AND ELECTROCARDIOGRAPHIC FEATURES IN DIAGNOSING ATRIAL SEPTAL DEFECT IN CHILDREN N.M Noori, <b>S.H. Rajaei</b>, Hormozgan University of Medical Sciences, Hormozgan, Iran</p>	174

**POS 203 Poster Session**  
**LEFT VENTRICULAR HYPERTROPHY AND HYPERTROPHIC**  
**CARDIOMYOPATHY**

Board No.		Abstract No.
8	LESS THAN 25% OF SUSPECTED HYPERTROPHIC CARDIOMYOPATHY SUBJECTS DOCUMENTED DURING SCREENING ECHOCARDIOGRAPHY HAVE ABNORMAL ECG FINDING <b>M.R. Movahed</b> , S. Bates, S. Sattur, A. Martinez, Southern Arizona VA Health Care System, University of Arizona, Tucson, AZ, USA	175
9	ESTIMATED PREVALENCE OF SUSPECTED HYPERTROPHIC CARDIOMYOPATHY IN HEALTHY TEENAGERS IN THE USA <b>M.R. Movahed</b> , A. Martinez, S. Bates, S. Sattur, Southern Arizona VA Health Care System, University of Arizona, Tucson, AZ, USA	176
10	LEFT VENTRICULAR HYPERTROPHY IS INDEPENDENTLY ASSOCIATED WITH ALL CAUSE MORTALITY C. Manrique, A. Martinez, H.A. Guima, M.A. Rahman, <b>M.R. Movahed</b> University of Arizona Sarver Heart Center and the Southern Arizona VA Health Care System, Tucson, AZ, USA	177
11	ALCOHOL SEPTAL ABLATION AND SEPTAL MYOMECTOMY FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY: A META-ANALYSIS <b>M. Alam</b> , H. Dokainish, N.M. Lakkis, Baylor College of Medicine, Houston, TX, USA	178
12	CLINICAL ASSESSMENT OF LEFT VENTRICULAR HYPERTROPHY AND STRAIN IN PATIENTS WITH ANGINA <b>M.T. Chou</b> , C.Y. Chiang, C.C. Cheng, Z.C. Chen, T.Y. Huang, Chi-Mei Medical Center, Tainan, Taiwan	179
13	REPORTED PHYSICAL SYMPTOMS DURING SCREENING ECHOCARDIOGRAY IS NOT ASSOCIATED WITH THE PRESENCE OF SUSPECTED HYPERTROPHIC CARDIOMYOPATHY <b>M.R. Movahed</b> , S. Bates, A. Martinezur, S. Sattur Southern Arizona VA Health Care System , Tucson, AZ, USA	180
14	“PRE-EJECTION FLOW WAVE”: A NEW MARKER OF INCREASED LEFT VENTRICULAR DIASTOLIC FILLING PRESSURE <b>J.D. Beswilan</b> , M.P. Sayco, E.S. Tucay, Philippine Heart Center, Quezon City, Philippines	181
15	PATTERN AND EXTENT OF SYSTOLIC INTRAVENTRICULAR DYSSYNCHRONY IN PATIENTS WITH HYPERTROPHIC CARDIOMYOPATHY: COMPARISON WITH ATHLETE HEARTS USING TISSUE DOPPLER IMAGING <b>H. Fakhry</b> , A.K. Kondur, A. Niraj, K. Bachour, L. Afonso, Wayne State University, Detroit, MI, USA	182

**POS 204 Poster Session  
PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME**

Board No.		Abstract No.
16	BLOOD GENE EXPRESSION SIGNATURE DIFFERENTIATES HEART FAILURE SEVERITY P. VanBuren, J. Ma, E. Mueller, <b>C.C. Liew</b> , GeneNews, Richmond Hill, ON, Canada, Harvard Medical School, Boston, MA, USA	183
17	FACTORS RELATED TO IN-HOSPITAL HEART FAILURE (HF) ARE VERY DIFFERENT FOR UNSTABLE ANGINA (UA) AND NON-ST ELEVATION MYOCARDIAL INFARCTION (NSTEMI) <b>B. Saejueng</b> , T. Yipintsoi, R. Chaisuksuwan, W. Kehasukcharoen, W. Boonsom, R. Kanjanavanit, Chest Disease Institute, Nonthaburi, Thailand	184
18	CARDIAC PEPTIDES DURING ISOMETRIC EXERCISE IN PATIENTS WITH DIASTOLIC DYSFUNCTION <b>D. Zdrengea</b> , D. Pop, M. Ilea, University of Medicine and Pharmacy, Cluj-Napoca, Romania	185
19	COMMONLY USED RISK FACTORS FAILED TO ACCURATELY PREDICT SURVIVAL IN PATIENTS WITH ADVANCED HEART FAILURE M. Bonioq, G. Panagiotopoulos, S. Drakos, E. Tsagalou, J. Terrovitis, J. Venetsanakos, E. Kaldara, <b>K. Malliaras</b> , A. Masdrakis, J. Nanas, University of Athens, Athens, Greece	186
20	PROARRHYTHMIC EFFECTS OF LEVOSIMENDAN THERAPY OF ACUTE HEART FAILURE <b>E. Zima</b> , G. Szucs, A. Soltesz, G. Fulop, L. Molnar, D. Becker, L. Geller, B. Merkely, Semmelweis University, Budapest, Hungary	187
21	ANGIOGRAPHICALLY DOCUMENTED DECREASED EJECTION FRACTION IS INDEPENDENTLY ASSOCIATED WITH ALL CAUSE MORTALITY <b>M.R. Movahed</b> , J. Salcedo, J. Kleven, A. Sarcon, S. Shahriari, J.D. VU University of Arizona Sarver Heart Center and the Southern Arizona VA Health Care System, Tucson, AZ, USA	188
22	PROGNOSTIC VALUE OF DOBUTAMINE-INDUCED MECHANICAL IN PATIENTS WITH MILDLY TO MODERATELY IDIOPATHIC DILATED CARDIOMYOPATHY IN SINUS RHYTHM <b>A. Hirashiki</b> , H. Izawa, H. Funahashi, K. Unno, T. Yamada, Y. Murase, K. Harada, H. Asano, T. Murohara, M. Yolota, Nagoya University, Nagoya, Aichi, Japan	189

**POS 205 Poster Session**  
**DIABETES MELLITUS, OBESITY, INSULIN AND ATHEROSCLEROSIS**

Board No.		Abstract No.
23	GENDER-SPECIFIC RISK FACTOR ASSOCIATING TO THE ARTERIAL ELASTIC PROPERTY IN THE GENERAL POPULATION <b>S. Makita</b> , A. Akihiko, Y. Naganuma, A. Tamada, M. Nakamura, Iwate Medical University, Morioka, Japan	190
24	OPTIMAL DEFINITIONS FOR ABDOMINAL OBESITY AND THE METABOLIC SYNDROME IN ANDEAN HISPANICS: THE PREVENCIÓN STUDY <b>J.E. Medina-Lezama</b> , H. Zea-Diaz, K. Villalobos, M.A. Martinez, E. Munoz-Atahualpa, J. Chirinos-Pacheco, J.A. Chirinos, Santa Maria Catholic University, AQP, Peru	191
25	THE ASSOCIATION BETWEEN CHILDHOOD OVERWEIGHT AND PARENTAL CHRONIC HEALTH CONDITIONS AMONG YOUNG CHILDREN IN CANADA R.J. Ma, X.H. Peng, <b>W. Luo</b> , M. DesMeules, Public Health Agency of Canada, Ottawa, ON, Canada	192
26	CARDIOPROTECTIVE EFFECTS OF GLICLAZIDE BEYOND GLYCEMIC CONTROL IN EXPERIMENTAL DIABETIC CARDIOMYOPATHY <b>S. Kumar</b> , V. Kain, S. Sitaswad, National Centre for Cell Science, Maharashtra, India	193
27	INCREASED TNF-ALPHA LEVELS AND VASOMOTOR DYSFUNCTION IN HYPERTENSIVE PATIENTS WITH INSULIN RESISTANCE P. Tretjakovs, <b>A. Jurka</b> , I. Bormane, I. Mikelsone, D. Reihmane, J. Jirgensons, G. Bahs, A. Martinsons, University of Latvia, Riga, Latvia	194
28	PLAQUE CHARACTERIZATION BY VIRTUAL HISTOLOGY INTRAVASCULAR ULTRASOUND ANALYSIS IN TYPE II DIABETIC PATIENTS <b>K. Nasu</b> , E. Tsuchikane, O. Katoh, T. Matsubara, T. Suzuki, Toyohashi Heart Center, Toyohashi, Aichi, Japan	195
	PREMATURE TREATMENT EFFECTS OF METABOLIC SYNDROME AS THE PREDICTOR OF DIABETES MELLITUS TYPE 2 N.N. Kipshidze, <b>T.B. Gamezardashvili</b> , T.V. Talakvadze, K.T. Kapanadze, L.B. Khosroshvili, Acad. N. Kipshidze National Center of Therapy, Tbilisi, Georgia	
29	THREE POLYMORPHISMS OF THE HUMAN RESISTIN GENE ARE MAJOR DETERMINANTS OF PLASMA LEVEL OF RESISTIN IN JAPANESE <b>H. Asano</b> , H. Izawa, M. Kobayashi, A. Hirashiki, Y. Murase, D. Tanimura, T. Yamada, K. Unno, T. Murohara, M. Yolota, Theranostic Research Institute Inc, Nagoya, Japan	196
30	CHILDHOOD PSYCHOPATHOLOGY PREDICTS YOUNG ADULT'S BODY MASS INDEX AND OBESITY: EVIDENCE FROM A BIRTH COHORT STUDY <b>A.A. Mamun</b> , University of Queensland, Brisbane, Queensland, Australia	197

**SUNDAY, JULY 27, 2008**

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14:00 – 18:00

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31      UPPER LEG LENGTH (ULL) AND THE RISK OF DIABETES AND      198  
CARDIOVASCULAR (CV) RISK PROFILE: A CROSS-SECTIONAL  
ANALYSIS OF THE NATIONAL HEALTH AND NUTRITION EXAMINATION  
SURVEY (NHANES) 1999 – 2004, USA  
**J. Liu**, A.L. Baker, Brock University, ON, Canada

**POS 206 Poster Session  
NEUROHUMORAL, IMMUNOLOGIC AND CYTOKINE ASPECTS OF  
HEART FAILURE**

Board No.		Abstract No.
32	CLINICAL AND PROGNOSTIC IMPLICATIONS OF SERUM PROLACTIN LEVELS IN PATIENTS WITH CHRONIC HEART FAILURE <b>J. Parissis</b> , D. Farmakis, C. Michalakeas, K. Tsitlakidis, D. Birba, P. Stergiou, G. Filippatos, D. Kremastinos, Attikon University Hospital, Athens, Greece	199
33	ALDOSTERONE INDUCES INTERLEUKIN-18 VIA ENDOTHELIN-1, ANGIOTENSIN- II, RHO/RHO-KINASE AND PPAR IN CARDIOMYOCYTE <b>T. Doi</b> , T. Sakoda, T. Akagami, T. Naka, T. Tsujino, T. Masuyama, M. Ohyanagi, Hyogo College of Medicine, Nishinomiya, Japan	200
34	GHRELIN IS NOT INCREASED AND HAS NO COMPENSATORY ROLE IN CARDIAC CACHEXIA <b>J.P. Araujo</b> , P. Lourenco, A. Ferreira, F. Rocha-Goncalves, P. Bettencourt, Hospital S. Joao, Porto, Portugal	201
35	LEPTIN IN CHRONIC HEART FAILURE – CORRELATION WITH NUTRITIONAL STATUS <b>J.P. Araujo</b> , P. Lourenco, A. Ferreira, F. Rocha-Goncalves, P. Bettencourt, Medicina, Hospital S. Joao, Porto, Portugal	202
36	DEVELOPMENT OF CHRONIC CHAGASIC CARDIOPATHY IS RELATED TO ALTERATIONS ON THE ACETYLCHOLINE TURNOVER AND EXPRESSION OF THE NICOTINIC ACETYLCHOLINE RECEPTOR &#61537; 7 AND/OR Á3/Â4 SUBUNITS EXPRESSION E. Jimenez, E. Lopez, M. Durand, R. Fonseca, L. Ferrer, R.R. Bonfante-Cabarcas, <b>C.C. Rodriguez Bonfante</b> , UCLA, Barquisimeto, Lara, Venezuela	203

**POS 207 Poster Session  
NITRIC OXIDE AND NITRIC OXIDE SYNTHASE IN HEART FAILURE**

37	RELEASE OF CALCITONIN GENE-RELATED PEPTIDE FROM THE JUGULAR-NODOSE GANGLION COMPLEX IN RATS <b>T. Strecker</b> , A. Dieterle, K. Messlinger, W. Neuhuber, M. Weyand, S. Koulchitsky, Friedrich-Alexander-University of Erlangen-Nuremberg, Erlangen, Germany	204
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**POS 208 Poster Session  
PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION**

38	RIGHT VENTRICULAR STRAIN RATE IMAGING IN PULMONARY ARTERIAL HYPERTENSION: DO DIFFERENT VENTRICULAR CHANGES REFLECT AETIOLOGY? <b>A. Vitarelli</b> , Y. Conde, S. D'Orazio, S. Stellato, F. Caranci, D. Battaglia, G. Continanza, L. Capotosto, F. Salsano, C. Terzano, La Sapienza University, Rome, Italy	205
39	RIGHT VENTRICULAR FAILURE IN PATIENTS WITH PRESERVED EJECTION FRACTION AND DIASTOLIC DYSFUNCTION: AN UNDER-RECOGNIZED CLINICAL ENTITY <b>R.M. Zakir</b> , RL Berkowitz, Hackensack University Medical Center, Hackensack, NJ, USA	206

**POS 209 Poster Session  
HYPERTENSION: BASIC AND CLINICAL**

Board No.		Abstract No.
40	OSTEOPROTEGERIN IS RELATED TO ASYMMETRIC DIMETHYLARGININE AND AORTIC STIFFNESS IN HYPERTENSION <b>C. Tsioufis</b> , K. Dimitriadis, A. Miliou, D. Chatzis, C. Thomopoulos, D. Tousoulis, I. Kallikazaros, C. Stefanadis, University of Athens, Greece	207
41	OAT1, TSC, WNK1, WNK4 GENE POLYMORPHISMS IN EHT AND ANTIHYPERTENSIVE EFFECTS OF HYDROCHLOROTHIAZIDE Y.F. Han, X.H. Fan, K. Sun, <b>X.J. Wang</b> , Y.B. Wang, J.Z. Cheng, Y.S. Zhen, X.D. Song, Y. Zheng, R.T. Hui, Peking Union Medical College, Beijing, China	208
42	IS THE BEHAVIOR OF SYSTOLIC BLOOD PRESSURE DURING TREADMILL TESTING A PREDICTOR FOR NEW-ONSET HYPERTENSION? C. Esis, E. Silva, M. Bracho, S. Briceno, J. Villasmil, <b>A. Gonzalez</b> , Universidad del Zulia, Maracaibo, Venezuela	209
43	NURSE-RECORDED AUSCULTATORY BLOOD PRESSURE PREDICTS TARGET ORGAN CHANGES AS WELL AS AMBULATORY BLOOD PRESSURE <b>A.J. Woodiwiss</b> , N. Molebatsi, M.J. Maseko, E. Libhaber, C. Libhaber, O.H.I. Majane, J. Paiker, P. Desein, P. Sareli, G.R. Norton, University of the Witwatersrand, Johannesburg, South Africa	210
44	FIXED DOSE PERINDOPRIL AND AMLODIPINE IN MODERATE TO SEVERE HYPERTENSION <b>V. Bahl</b> , All India Institute of Medical Sciences, New Delhi, Delhi, India	211
45	AMBULATORY BLOOD PRESSURE MONITORING AS PREDICTOR OF ARTERIAL HYPERTENSION IN ELDERLY WITH WHITE COAT HYPERTENSION <b>G.E. Calmon</b> , E. Silva, G. Maestre, G. Pino, M. Bracho, N. Pina, Zulia University, Maracaibo, Venezuela	212

**PL: 07 Plenary Session  
NEW DIRECTIONS IN THE TREATMENT OF ACUTE CORONARY  
SYNDROMES, INTERVENTIONAL CARDIOLOGY**

Chairpersons: **S.D. Gertz**, Jerusalem, Israel  
**J-F. Tanguay**, Montréal, QC, Canada

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | LONG-TERM SAFETY AND EFFECTIVENESS OF DRUG-ELUTING STENTS IN ONTARIO, CANADA (Invited Lecture)<br><b>J.V. Tu</b> , Institute for Clinical Evaluative Sciences, University of Toronto, Sunnybrook Health Sciences Centre, Toronto, ON, Canada  | 213 |
| 08:45 | LOW LEVEL LASER IRRADIATION: THERAPEUTIC POTENTIAL IN CARDIOVASCULAR PATHOLOGY (Invited Lecture)<br><b>S.D. Gertz</b> , L. Gavish, The Hebrew University-Hadassah Medical School, Jerusalem, Israel   | 214 |
| 09:00 | INTRACORONARY PRESSURE AND FLOW VELOCITY: MECHANISTIC INSIGHT FROM LOOKING BEYOND MEANS (Invited Lecture)<br><b>M. Siebes</b> , C. Kolyva, B.J. Verhoeff, J.J. Piek, J.A. Spaan, Academic Medical Center, Amsterdam, The Netherlands  | 215 |
| 09:15 | COMPUTERIZED GRADUAL ANGIOPLASTY – A NEW TECHNIQUE TO IMPROVE OUTCOME OF CORONARY ANGIOPLASTY AND STENTING, RESULTS OF A RANDOMIZED CONTROLLED TRIAL (Invited Lecture)<br><b>A.T. Weiss</b> , D. Leibowitz, H. Danenberg, M. Mosseri, I. Katz, B. Varshitzky, H. Nassar, C. Lotan, Hadassah Medical Center, Jerusalem, Israel | 216 |
| 09:30 | HOW TO MAXIMIZE THE BENEFIT OF THE 17-BETA-ESTRADIOL IN VASCULAR HEALING? (Invited Lecture)<br><b>J-F. Tanguay</b> , I. Cloutier, Montreal Heart Institute, Université de Montréal, Montréal, QC, Canada  | 217 |
| 09:45 | CAROTID ANGIOPLASTY AND STENTING UNDER PROTECTION COMPLICATIONS – HOW TO AVOID THEM? (Invited Lecture)<br><b>M. Henry</b> , A. Polydorou, I. Henry, Ad Polydorou, M. Hugel, Cabinet de Cardiologie, Nancy Cedex, France   | 218 |
| 10:00 | UPDATE ON CORONARY ARTERY BIFURCATION LESIONS CLASSIFICATION AND INTERVENTIONAL TECHNIQUE (Invited Lecture)<br><b>M.R. Movahed</b> , University of Arizona, Southern Arizona VA Health Care System, Tucson, AZ, USA   | 219 |
| 10:15 | MICRO- AND MACROVASCULAR PROTECTION TO PREVENT NO-REFLOW IN ACUTE PERCUTANEOUS CORONARY INTERVENTIONS (Invited Lecture)<br><b>D.J. Jain</b> , Medical klinik II, Universitaetsklinikum Schleswig-Holstein, Luebeck, Germany   | 220 |
| 10:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

**PL: 08 Plenary Session**  
**ENDOTHELIAL BIOMEDICINE: NEW OPPORTUNITIES FOR DIAGNOSIS AND TREATMENT**

Chairpersons: **A.A. Knowlton**, Davis, CA, USA  
**T. Malinski**, Athens, OH, USA

Abstract No.

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|-------|---|-----|
| 08:30 | ACE2 IS A NOVEL REGULATOR OF ENDOTHELIAL FUNCTION AND ATHEROSCLEROSIS (Invited Lecture)<br><b>S. Verma</b> , University of Toronto, Toronto, ON, Canada   | 221 |
| 08:45 | RESTORATION OF ENDOTHELIAL FUNCTION BY STATINS AND BETA-BLOCKERS - A NANOMEDICAL APPROACH (Invited Lecture)<br><b>T. Malinski</b> , Ohio University, Athens, OH, USA  | 222 |
| 09:00 | THE ROLE OF ENDOTHELIAL PROGENITOR CELLS IN CARDIOVASCULAR DISEASES (Invited Lecture)<br><b>D. Tousoulis</b> , Athens University Medical School, Athens, Greece   | 223 |
| 09:15 | EPICARDIAL CORONARY ENDOTHELIAL DYSFUNCTION ASSOCIATED WITH LEFT VENTRICULAR HYPERTROPHY IN A PORCINE MODEL (Invited Lecture)<br><b>L.P. Perrault</b> , Montreal Heart Institute, Montreal, QC, Canada                    | 224 |
| 09:30 | ESTROGEN, HEAT SHOCK PROTEINS AND CARDIOVASCULAR PROTECTION (Invited Lecture)<br><b>A.A. Knowlton</b> , J.P. Stice, University of California, Davis, Northern California VA, CA, USA                                      | 225 |
| 09:45 | ENDOTHELIUM, INFLAMMATION, AND VASCULAR AGING (Invited Lecture)<br><b>C.F. Sanchez-Ferrer</b> , C. Peiro, L. Rodriguez-Mañas, Universidad Autonoma, Madrid, Spain   | 226 |
| 10:00 | CONTRIBUTIONS OF ENDOPLASMIC STRESS (ER) STRESS TO CARDIOVASCULAR DISEASE (Invited Lecture)<br><b>R.C. Austin</b> , J.G. Dickhout, B. Hilditch, S. Basseri, S. Lhotak, J. Zhou, McMaster University, Hamilton, ON, Canada | 227 |
| 10:15 | INSULIN RESISTANCE: EFFECTS ON VASCULAR ENDOTHELIAL FUNCTION AND REPAIR (Invited Lecture)<br><b>S.B. Wheatcroft</b> , University of Leeds, Leeds, UK  | 228 |
| 10:30 | REGULATION OF SUPEROXIDE GENERATION IN VASCULAR CELLS<br>Y.L. Siow, C.W. Woo, S. Armstrong, G. Pierce, <b>K. O</b> , University of Manitoba, Winnipeg, MB, Canada   | 229 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

**S27**

**Session**

**ARRHYTHMIAS II: DIAGNOSIS / DRUG THERAPY / ABLATION**

Chairpersons: **H. Heibüchel**, Leuven, Belgium  
**M.H. Pitzalis**, Greenville, NC, USA

Abstract No.

08:30	<p>COMPARISON OF INTRAVENOUS METOPROLOL VERSUS INTRAVENOUS AMIODARONE IN THE PREVENTION OF ATRIAL FIBRILLATION AFTER CARDIAC SURGERY: PROSPECTIVE, RANDOMIZED TRIAL</p> <p><b>J. Halonen</b>, P. Lopenen, J. Karjalainen, A. Turpeinen, J. Magga, M. Hippelainen, P. Halonen, I. Parviainen, J. Hartikainen, T. Hakala, Kuopio University Hospital, Kuopio, Finland</p>	230
08:45	<p>PREDICTION OF RESPONSE TO OSTIAL PULMONARY VEIN ISOLATION BY ANALYZING TEMPORAL PATTERNS OF ATRIAL TACHYARRHYTHMIA BURDEN</p> <p><b>M. Martinek</b>, J. Aichinger, H.J. Nesser, S. Sarkar, P.D. Ziegler, H. Purerfellner, Elisabethinen University Teaching Hospital, Linz, Austria</p>	231
09:00	<p>CROSS-SECTIONAL RELATIONS BETWEEN INHOMOGENEOUS SINUS IMPULSE PROPAGATION AND P-WAVE TERMINAL FORCE AMONG OUTPATIENTS</p> <p><b>V. Ariyarajah</b>, D.H. Spodick, S. Apiyasawat, St. Boniface General Hospital, University of Manitoba, Winnipeg, MB, Canada</p>	232
09:15	<p>P WAVE DISPERSION AFTER TRANSCATHETER ATRIAL SEPTAL DEFECT CLOSURE</p> <p><b>G. Bronzetti</b>, A. Giardini, L. Salomone, C. D'Angelo, E. Mariucci, A. Donti, F.M. Picchio, University of Bologna, Bologna, Italy</p>	233
09:30	<p>ADENOSINE IS A PRO-ARRHYTHMIC DRUG INVOLVED IN THE ELECTROCARDIOGRAPHIC CHANGES OBSERVED IN HEALTHY AND CHAGASIC ISOLATED BEATING HEARTS</p> <p>E. Alvarado Tapias, M. Rivas, A. Alvarado, M. Bello, M. Briceño Medina, C.C. Rodriguez-Bonfante, <b>R.A. Bonfante-Cabarcas</b>, UCLA, Barquisimeto, Lara, Venezuela</p>	234
09:45	<p>EFFECTS OF EXTREME ENDURANCE RUNNING ON CARDIAC AUTONOMIC NERVOUS MODULATION IN HEALTHY TRAINED SUBJECTS</p> <p><b>J. Sztajzel</b>, Cardiology Service, University Hospital, Geneva, Switzerland</p>	235
10:00	<p>PHYSICIAN BIAS, NOT ACTUAL BLEEDING, IS THE MOST COMMON CAUSE OF POOR FREQUENCY OF ANTICOAGULATION FOR ATRIAL FIBRILLATION IN THE ELDERLY</p> <p><b>V.N. Singh</b>, K. Garner, T. Law, University of South Florida, Tampa, FL, USA</p>	236
10:15	<p>MATHEMATICAL MODEL TO SIMULATE TEMPORAL PATTERNS OF VENTRICULAR ARRHYTHMIA RECURRENCES</p> <p><b>M.A. Wood</b>, H. Sedaghat, J.W. Cain, D.M. Chan, C.K. Cheng, C.M. Baumgarten, Virginia Commonwealth University Medical Center, Richmond, VA, USA</p>	237
10:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S28

Session

**LEFT VENTRICULAR HYPERTROPHY AND HYPERTROPHIC  
CARDIOMYOPATHY, DIASTOLIC HEART FAILURE**

Chairpersons: **A. Kumar**, India  
**W.L. Miller**, Rochester, MN, USA

Abstract No.

08:30	POSTPRANDIAL SYMPTOMS AS AN INDICATOR OF OBSTRUCTION AND REDUCED QUALITY OF LIFE IN HYPERTROPHIC CARDIOMYOPATHY <b>J.C. Adams</b> , K.W. Klarich, S.R. Ommen, R.A. Nishimura, Mayo Clinic, Rochester, MN, USA	238
08:45	OBESITY PROMOTES LEFT VENTRICULAR CONCENTRIC GEOMETRIC REMODELING AND HYPERTROPHY INDEPENDENT OF BLOOD PRESSURE <b>G.R. Norton</b> , C. Libhaber, O.H.I. Majane, E. Libhaber, M.J. Maseko, M.R. Essop, P. Sareli, A.J. Woodiwiss, University of the Witwatersrand, Johannesburg, South Africa	239
09:00	HIGH RATE OF ESOPHAGEAL ULCERATIONS AFTER ABLATION OF AF IN PATIENTS WITH GENERAL ANAESTHESIA <b>M. Martinek</b> , G. Bencsik, J. Aichinger, H.J. Nesser, H. Purerfellner, Elisabethinen University Teaching Hospital, Linz, Austria	240
09:15	SYSTOLIC INTRAVENTRICULAR DYSSYNCHRONY IN HYPERTROPHIC CARDIOMYOPATHY: DIFFERENTIATION FROM ATHLETE HEART A. Kondur, A. Niraj, <b>L. Afonso</b> , Wayne State University, Detroit, MI, USA	241
09:30	THE HAPLOTYPE OF GDF-15 IS ASSOCIATED WITH LEFT VENTRICULAR HYPERTROPHY IN ESSENTIAL HYPERTENSION <b>X.J. Wang</b> , X. Yang, K. Sun, J.Z. Chen, X.D. Song, H. Wang, Z. Liu, C.X. Wang, C.N. Zhang, R.T. Hui, Peking Union Medical College, Beijing, China	242
09:45	AFRICAN AMERICAN HAS INCREASED PREVALENCE OF SUSPECTED HYPERTROPHIC CARDIOMYOPATHY DETECTED DURING SCREENING ECHOCARDIOGRAPHY <b>M.R. Movahed</b> , S. Bates, S. Sattur, A. Martinez, Southern Arizona VA Health Care System, University of Arizona, Tucson, AZ, USA	243
10:00	CHAOTIC LEFT VENTRICULAR DIASTOLE IN PULMONARY HYPERTENSION <b>A. Lopez-Candales</b> , K. Edelman, B. Gulyasy, R. Bazaz, Cardiovascular Institute, University of Pittsburgh, PA, USA	244
10:15	ADIPOSIITY IS ASSOCIATED WITH AN ENHANCED IMPACT OF DELETERIOUS HEMODYNAMIC CHANGES ON LEFT VENTRICULAR MASS <b>G.R. Norton</b> , O.H.I. Majane, E. Libhaber, C. Libhaber, M.J. Maseko, S. Makaula, P. Sareli, A.J. Woodiwiss, University of the Witwatersrand, Johannesburg, South Africa	245
10:30	EXCESSIVE BREATHLESSNESS IN PATIENTS WITH DIASTOLIC HEART FAILURE <b>K. Witte</b> , A.L. Clark, University of Hull, Kingston upon Hull, UK	246

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08:30 – 11:00

S28 (cont.)

Hall D

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10:45      PREDICTORS OF SURVIVAL FOR MORE THAN ONE YEAR IN PATIENTS WITH PRIMARY CARDIAC AMYLOIDOSIS  
**H. Suradi**, K. Hamidi Asl, M.K. Das, M. Benson, Indiana University, Indianapolis, IN, USA      247

11:00      COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**PL: 09 Plenary Session  
VALVULAR HEART DISEASE / DISEASES OF THE THORACIC AORTA /  
CARDIAC SURGERY**

Chairpersons: **J.S. Borer**, New York, NY, USA  
**J.A. Elefteriades**, New Haven, CT, USA

		Abstract No.
11:15	BIOMARKERS FOR EVALUATING VALVULAR DISEASES: RECENT PROGRESS (Invited Lecture) <b>J.S. Borer</b> , Weill Cornell Medical College, New York, N.Y. USA	248
11:30	A BLOOD TEST FOR THORACIC ANEURYSM (Invited Lecture) Y. Wang, C.C. Barbacioru, D. Shiffman, S. Balasubramanian, O. Iakoubova, M. Tranquilli, G. Albornoz, J. Blake, R. Samaha, <b>J.A. Elefteriades</b> , Yale University, New Haven, CT, USA	249
11:45	THE CONCEPT OF VALVULO-METABOLIC RISK IN AORTIC VALVE DISEASE (Invited Lecture) <b>P. Pibarot</b> , Laval University, Quebec, QC, Canada	250
12:00	PRESENT STATUS OF RHEUMATIC HEART DISEASE ( RHD ) IN DEVELOPING COUNTRIES OF THE WORLD (Invited Lecture) <b>A. Kumar</b> , Govt. Medical College, Amritsar, Punjab, India	251
12:15	CALCIFIC AORTIC STENOSIS: A DISEASE READY FOR PRIME TIME (Invited Lecture) <b>N.M. Rajamannan</b> , Northwestern University, Chicago, IL, USA	252
12:30	PERCUTANEOUS AORTIC VALVE IMPLANTATION: STATE OF THE ART (Invited Lecture) <b>H. Sievert</b> , N Wunderlich, N Majunke, CardioVascular Center, Frankfurt, Germany, Washington Hospital Center, Washington, DC, USA	253
12:45	MITRAL BALLOON VALVULOPLASTY - 18 YEARS FOLLOW-UP: EFFECT OF MBV ON LEFT VENTRICULAR FUNCTION, SEVERE PULMONARY HYPERTENSION AND SEVERE TRICUSPID REGURGITATION (Invited Lecture) <b>M.E. Fawzy</b> , King Faisal Specialist Hospital and Research Centre, Riyadh, KSA	254
13:00	UNANSWERED QUESTIONS IN RHEUMATIC HEART DISEASE (Invited Lecture) <b>G. Karthikeyan</b> , All India Institute of Medical Sciences, New Delhi, India	255
13:15	OBESITY AND OUTCOMES AFTER ISOLATED CARDIAC VALVE SURGERY <b>M. Alam</b> , S.S. Virani, V. Nambi, V. Lee, M. Elayda, J.M. Wilson, C.M. Ballantyne, Baylor College of Medicine, Houston, TX, USA	256
13:30	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**PL: 10 Plenary Session**  
**ATHEROGENESIS, INFLAMMATION AND OXIDATIVE STRESS**

Chairperson: **N.S. Dhalla**, Winnipeg, MB, Canada  
**P.R. Liebson**, Chicago, IL, USA

		Abstract No.
11:15	REGULATION OF INTRACELLULAR CALCIUM IN ISCHEMIC HEART DISEASE (Invited Lecture) <b>N.S. Dhalla</b> , H.K. Saini-Chohan, University of Manitoba, Winnipeg, MB, Canada	257
11:30	OXIDATIVE STRESS AND THE ATHEROSCLEROTIC PLAQUE-AN UPDATE (Invited Lecture) <b>P.R. Liebson</b> , Rush Medical College, Chicago, IL, USA	258
11:45	IL-10 AND TNF-alpha CYTOKINE IMBALANCE IN HEART FAILURE (Invited Lecture) <b>P.K. Singal</b> , S. Dhingra, J. Slazak, A.K. Sharma, University of Manitoba, Winnipeg, MB, Canada	259
12:00	NOXES, OXIDATIVE STRESS AND VASCULAR (PATHO) BIOLOGY (Invited Lecture) <b>R. Touyz</b> , University of Ottawa, Ottawa ON, Canada	260
12:15	ANALYSIS OF MOLECULAR INFLAMMATORY PATHWAYS IN ATHEROGENESIS (Invited Lecture) <b>S. Amar</b> , Boston University, Boston, MS, USA	261
12:30	IMAGING MECHANISMS OF CARDIOVASCULAR CALCIFICATION IN ATHEROSCLEROSIS AND CHRONIC KIDNEY DISEASE (Invited Lecture) <b>E. Aikawa</b> , Harvard Medical School, Charlestown, MA, USA	263
12:45	CATHEPSIN K PARTICIPATES IN ADIPOGENESIS AND BODY WEIGHT GAIN VIA FIBRONECTIN DEGRADATION (Invited Lecture) M. Yang, J. Sun, J. Liu, M. Guerre-Millo, K. Clement, B.D. Gelb, <b>G-P. Shi</b> , Harvard Medical School, Boston, MA, USA	264
13:00	OXIDATIVE STRESS & ATHEROGENESIS - THE ROLE OF DRUGS WITH ANTIOXIDANT CAPACITY (Invited Lecture) <b>J.W. Chen</b> , S.J. Lin, National Yang-Ming University, Taipei Veterans General Hospital, Taipei, Taiwan	265
13:15	INFLAMMATION IN DIABETIC VASCULAR DISEASE: THE ROLE OF HYPERGLYCEMIA (Invited Lecture) <b>C. Peiro</b> , C.F. Sanchez-Ferrer, Universidad Autonoma de Madrid, Spain	266
13:30	MACROPHAGE ACTIVATION AND ATHEROGENESIS: BASIC BIOLOGY AND MOLECULAR IMAGING (Invited Lecture) <b>M. Aikawa</b> , Harvard Medical School, Boston, MA, USA	267
13:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**S29**

**Session**

**NEW INSIGHTS INTO THE PATHOGENESIS AND MANAGEMENT OF HEART FAILURE, PULMONARY CIRCULATION ASPECTS**

Chairperson: **M.R. Johnson**, Madison, WI, USA  
**J. Kastrup**, Copenhagen, Denmark

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | SERUM YKL-40 IN PATIENTS WITH STABLE CORONARY ARTERY DISEASE AND INCREASED RISK OF MYOCARDIAL INFARCTION, CARDIOVASCULAR DEATH AND ALL-CAUSE MORTALITY<br><b>J. Kastrup</b> , J.S. Johansen, P.Winkel, J.F. Hansen, P.Hildebrandt, G.B. Jensen, E. Kjoller, H.J. Kolmos, I. Lind, C. Gluud, The Heart Centre, Rigshospitalet, Copenhagen University Hospital, Copenhagen, Denmark | 268 |
| 11:30 | DIFFERENTIAL BLOOD GENE EXPRESSION PATTERNS FOR NYHA CLASSIFICATION AND BNP LEVELS IN HEART FAILURE<br><b>A.S. Go</b> , J. Ma, M. Chandra, G. Gee, C.C. Liew, Kaiser Permanente of Northern California, Oakland, CA, USA  | 269 |
| 11:45 | TORASEMIDE HAS BENEFICIAL EFFECTS ON MODULATION OF SYMPATHETIC NERVOUS ACTIVITY BEYOND DIURESIS<br><b>K. Harada</b> , H. Izawa, A. Hirashiki, Y. Murase, H. Asano, X.W. Cheng, A. Noda, K. Nagata, T. Murohara, M. Yokota, Nagoya University Graduate School of Medicine, Nagoya, Japan   | 270 |
| 12:00 | ETIOLOGY OF ANEMIA AND MORTALITY IN PATIENTS WITH HEART FAILURE UNDERGOING CORONARY STENTING<br><b>A. Varma</b> , D.L. Appleton, A. Nusca, M.J. Lipinski, E. Goudreau, M.J. Cowley, M. Wittkamp, A. Abbate, G.W. Vetrovec, Virginia Commonwealth University Pauley Heart Center, Richmond, VA, USA  | 271 |
| 12:15 | SURVIVAL IN HEART FAILURE PATIENTS FOLLOWING CARDIAC RESYNCHRONIZATION THERAPY<br><b>D.M. Couri</b> , G. Lin, T.L. Webster, D.O. Hodge, P.A. Brady, Mayo Clinic, Rochester, MN, USA   | 272 |
| 12:30 | THE IDENTIFICATION OF DEPRESSION AMONG HEART FAILURE PATIENTS<br><b>S. Gravely-Witte</b> , C. Tam, D.E. Stewart, S. Bunker, S.L. Grace, York University, Toronto, ON, Canada  | 273 |
| 12:45 | THE DYSTROPHIN-GLYCOPROTEIN COMPLEX AND INTEGRIN IN THE HEARTS OF MICE EXPERIMENTALLY-INFECTED WITH TRYPANOSOMA CRUZI<br>C.M. Prado, M.R. Celes, E.C. Campos, F. Gutierrez-Salazar, J.S. Silva, <b>M.A. Rossi</b> , Faculty of Medicine of Ribeirao Preto, University of Sao Paulo, Sao Paulo, Brazil   | 274 |
| 13:00 | IMPACT OF LEFT ATRIAL VOLUME INDEX AND LEFT VENTRICULAR GEOMETRY ON MORTALITY IN 11,039 PATIENTS > 70 YEARS OF AGE WITH NORMAL EJECTION FRACTION<br><b>D.A. Patel</b> , C.J. Lavie, Jr., R.V. Milani, S.M. Artham, H.O. Ventura, Ochsner Clinic Foundation, New Orleans, LA, USA  | 275 |

**MONDAY, JULY 28, 2008**

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11:15 – 13:45

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Hall C

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Abstract No.

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| 13:15 | LDL-APHERESIS AND ITS ABILITY TO REDUCE PLASMA LEVELS OF B-TYPE NATRIURETIC PEPTIDE<br>P.M. Moriarty, <b>R.P. Sosland</b> , C.A. Gibson, J.M. Belmont,<br>University of Kansas Medical Center, KS, USA | 276 |
| 13:30 | DYSPNEA VERSUS FATIGUE: ADDITIONAL PROGNOSTIC INFORMATION FROM SYMPTOMS IN CHRONIC HEART FAILURE?<br><b>K. Witte</b> , A.L. Clark, University of Hull, Kingston upon Hull, UK                          | 277 |
| 13:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

**S30**

**Session  
MOLECULAR CARDIOLOGY, BASIC RESEARCH**

Chairpersons: **A.H.J. Danser**, Rotterdam, The Netherlands  
**W. Koenig**, Ulm, Germany

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | CYTOPROTECTION WITH AN ADENOSINE A1 RECEPTOR AGONIST COMPARED TO AN A3 AGONIST IN A CARDIOMYOCYTE MODEL OF ISCHEMIA<br><b>V. Urmaliya</b> , C.W. Pouton, I.M. Coupar, P.J. Scammells, P.J. White, Monash University, Melbourne, Australia   | 278 |
| 11:30 | LOW DOSE TREATMENT OF CALMIDAZOLIUM CHLORIDE (CMZ) PREVENTS AGAINST HIGH-GLUCOSE INDUCED OXIDATIVE AND NITROSATIVE STRESS AND APOPTOTIC CELL DEATH IN RAT VENTRICULAR MYOBLAST H9C2 CELLS<br><b>V. Kain</b> , S. Kumar, S.L. Sitaswad, National Centre for Cell Science, Pune, Maharashtra, India                           | 279 |
| 11:45 | NEUROPROTECTION WITH PROFOUND HYPOTHERMIA TO 10C DURING HYPOTHERMIC CIRCULATORY ARREST (HCA) IN AN ACUTE PORCINE MODEL: MEASURES OF APOTOSIS IN THE PRIMARY CORTEX<br><b>H. Koutsogiannidis</b> , O.G. Ananiadou, A.N. Bibou, A. Charchanti, M. Bai, G.E. Drossos, E.O. Johnson, University of Ioannina, Ioannina, Greece   | 280 |
| 12:00 | IRON LOADING AND G-CSF SUPPLEMENT INDUCE INFLAMMATION-DEPENDENT CARDIAC THROMBOSIS IN MICE: AN IN VIVO DISEASE MODEL<br>W.S. Lian, H. Lin, P.C. King, T. Kikuchi, <b>C.F. Cheng</b> , Tzu Chi General Hospital, Taipei and Tzu Chi University, Taipei, Taiwan   | 281 |
| 12:15 | PIOGLITAZONE IMPROVE LEFT VENTRICULAR FUNCTION IN EXPERIMENTAL DIABETIC CARDIOMYOPATHY<br><b>S. Kumar</b> , V. Kain, S.L. Sitaswad, National Center for Cell Science, Puna, Maharashtra, India  | 282 |
| 12:30 | POLYCATIONIC LIPIDS COMPLEXED WITH A PLASMID DNA ENCODING ENOS WITH AN ALANINE REPLACING A SER AND A CYTOMEGALOVIRUS PROMOTER EXERTED ENHANCED CARDIOVASCULAR BENEFITS IN HEALTHY AND HEART FAILURE ANIMALS<br><b>J. Giannios</b> , N. Kolliopoulos, A. Kanelopoulos, N. Alexandropoulos, Erasimio Hospital, Athens, Greece | 283 |
| 12:45 | TICLOPIDINE AND CLOPIDOGREL ASSOCIATED THROMBOTIC THROMBOCYTOPENIA PURPURA (TTP)<br>A. Zakarija, H.C. Kwaan, D.K. Pandey, N. Bandarenko, P.R. Yarnold, J.F. Cursio, T.L. Luu, E.A. Richey, J.M. McKoy, <b>C.L. Bennett</b> , Northwestern University, Chicago, IL, USA  | 284 |

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11:15 – 13:45

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		Abstract No.
13:00	K167N POLYMORPHISM ALTERS LOX-1 RECEPTOR ACTIVITY: IN VIVO ANALYSIS AND MOLECULAR DYNAMIC SIMULATION I. Fiesi, M. Falconi, L. Vecchione, R. Mango, I.M. Predazzi, F. Baldini, G. Novelli, F. Romeo, A. Desideri, <b>S. Biocca</b> , University of Rome Tor Vergata, Rome, Italy	285
13:15	THE CRITICAL ROLE OF TGF-ALPHA IN HUMAN BONE MARROW STEM CELL FUNCTION <b>Y. Wang</b> , M. Wang, P.R. Crisostomo, D.R. Meldrum, Indiana University, Indianapolis, IN, USA	286
13:30	PLATELET AGGREGATION INHIBITION WITH INCREASING CONCENTRATIONS OF TIROFIBAN IN RENAL INSUFFICIENCY <b>M. Alam</b> , R. Gonzalez, A. Delarosa, H. Dokainish, N.M. Lakkis Baylor College of Medicine, Houston, TX, USA	287
13:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**POS 301**      **Poster Session**  
**NEW DIAGNOSTIC METHODS AND IMAGING TECHNIQUES**

Board No.		Abstract No.
1	FUTURE OF DECISION SUPPORT FOR CORONARY INTERVENTIONS BASED ON MULTISCALE BIOPHYSICAL MODELS <b>J.A. Spaan</b> , J. van den Wijngaard, P. van Horssen, J. Baan, J.J. Piek, M. Siebes, Academic Medical Center, Amsterdam, The Netherlands	288
2	CLINICAL VALIDATION OF A NEW 3-DIMENSIONAL IMAGING SYSTEM FOR QUANTITATIVE AND QUALITATIVE JUDGEMENT OF CORONARY ARTERY STENOSES <b>B.S.H. Schertel-Gruenler</b> , J. Brachmann, H. Rittger, Klinikum Coburg, Coburg, Germany	289
3	EXERCISE ECG TESTING VERSUS CARDIOGONIOMETRY IN THE DIAGNOSIS OF CORONARY ARTERY DISEASE <b>M. Schupbach</b> , P. Loretan, B. Meier, E. Sanz, Centre Hospitalier Universitaire Pitie-Salpetriere, Paris, France	290
4	A-V DELAY VERSUS CARDIAC OUTPUT MEASURED WITH THORAX BIOIMPEDANCE MONITOR V. Vondra, J. Halamek, <b>I. Viscor</b> , P. Jurak, M. Novak, J. Lipoldova, Institute of Scientific Instruments, Brno, Czech Republic	291
5	HYPEREMIC AVERAGE PEAK VELOCITY AS A PREDICTOR OF LEFT VENTRICULAR FUNCTIONAL RECOVERY IN LOW CORONARY FLOW RESERVE IN PATIENTS WITH IDIOPATHY CARDIOMYOPATHY <b>J.H. Koh</b> , M.Y. Kim, D.K. Jo, J.H. Kim, Kwandong University, Goyang, South Korea	292
6	SIGNIFICANCE OF DIASTOLIC DYSFUNCTION IN 2-DIMENSIONAL ECHOCARDIOGRAPHY IN THE ANGINA WITH NORMAL LEFT VENTRICULAR (LV) REGIONAL WALL MOTION AND NORMAL LV SYSTOLIC FUNCTION S.H. Her, <b>S.W. Jin</b> , D.B. Kim, H.D. Kim, H.J. Yoon, J.M. Lee, P.J. Kim, H.O. Jung, W.S Chung, K.B. Seung, The Catholic University, Seoul, Korea	293

**POS 302 Poster Session  
VASCULAR BIOLOGY, BASIC RESEARCH**

Board No.		Abstract No.
7	<p>ENDOTHELIAL PROGENITOR CELLS DERIVED FROM WHARTON'S JELLY IN HUMAN UMBILICAL CORD REDUCE NEOINTIMAL FORMATION AFTER VASCULAR INJURY S.H. Wang, S.J Lin, J.C Shih, C.L Chien, C.C Wu, <b>Y.L Chen</b>, National Taiwan University, Taiwan</p>	294
8	<p>STIMULATION OF SOLUBLE GUANYLATE CYCLASE LEADS TO ATTENUATE CARDIAC FIBROSIS IN PRESSURE-OVERLOADED RAT HEART <b>T. Tsuruda</b>, H. Masuyama, J. Kato, T. Imamura, K. Hatakeyama, Y. Asada, K. Kitamura, University of Miyazaki, Miyazaki, Japan</p>	295
9	<p>IDENTIFICATION OF NOVEL ANTI-ATHEROSCLEROTIC EFFECTS OF CONJUGATED LINOLEIC ACID IN VASCULAR CELLS <b>S.E. McClelland</b>, C.M. Cox, D.J. Fitzgerald, O.A. Belton, UCD Conway Institute, UCD, Dublin, Ireland</p>	296
10	<p>ENHANCED EXPRESSION OF PODOPLANIN IN ADVANCED ATHEROSCLEROTIC PLAQUES IS INVOLVED IN CORONARY THROMBUS FORMATION IN ACUTE MYOCARDIAL INFARCTION <b>K. Hatakeyama</b>, Y. Kato, M.K. Kaneko, T. Ishikawa, K. Nishihira, Y. Shibata, K.S. Inoue, Y. Ozaki, Y. Asada, University of Miyazaki, Miyazaki, Japan</p>	297
11	<p>PLEIOTROPIC GENE MODULATION BY ALDOSTERONE IN THE HUMAN ENDOTHELIAL CELL P. Mirshahi, A. Berthaut, E. Ducros, J. Soria, <b>M. Mirshahi</b>, Centre de Recherche des Cordeliers, Paris, France</p>	298

**POS 303 Poster Session  
PHARMACOLOGIC MODULATION OF VASCULAR-ENDOTHELIAL FUNCTION**

12	<p>EVALUATION OF THE ANTI VON WILLEBRAND FACTOR (VWF) ANTIBODY GBR 600 IN A BABOON MODEL OF ARTERIAL THROMBOSIS S. Hou, J. Roodt, S. Lamprecht, M. Meiring, P. Badenhorst, <b>H. Mottl</b>, Glenmark Pharmaceuticals S.A., La Chaux-de-Fonds, Switzerland</p>	299
13	<p>EVALUATION OF THE ANTI VON WILLEBRAND FACTOR (VWF) ANTIBODY GBR 599 IN A RAT MODEL OF ARTERIAL THROMBOSIS <b>H. Mottl</b>, L. Lan, J. Pinkstaff, X. Fan, E. Lazarides, S. Hou, C. Woods Glenmark Pharmaceuticals S.A., La Chaux-de-Fonds, Switzerland</p>	300

**POS 304 Poster Session  
ADVANCES IN CARDIAC SURGERY**

Board No.		Abstract No.
14	MIXED ESSENTIAL AMINO ACIDS AFFORDS PROTECTION TO THE HUMAN HEART EXPOSED TO CARDIOPLEGIC ARREST REDUCING MYOCYTE CELL LOSS AND EXERTING FAVORABLE METABOLIC AND HEMODYNAMIC EFFECTS C. Chen-Scarabelli, J. Di Rezza, Z. Yuan, E. Kuizon, G.M Scarabelli, G. Spears, L. Saravolatz, <b>T.M. Scarabelli</b> , Wayne State University Medical School, Detroit, MI, USA	301
15	GENDER AND BODY SURFACE AREA ARE NOT PREDICTIVE OF IN-HOSPITAL MORTALITY AFTER CORONARY ARTERY BYPASS GRAFT SURGERY C. Chen-Scarabelli, G. Faggian, F. Santini, G. Petrilli, M. Iafrancesco, J. D. Rezza, G.M. Scarabelli, <b>T.M. Scarabelli</b> , A. Mazzucco, Wayne State University Medical School, Detroit, MI, USA	302
16	RESULTS OF ON-PUMP BEATING HEART CABG IN HIGH RISK PATIENTS <b>S. Christiansen</b> , A. Hoffman, R. Autschbach, University of Aachen, Aachen, Germany	303
17	PULMONARY ARTERY PRESSURE AS A PREDICTOR OF POST-OPERATIVE ATRIAL FIBRILLATION IN PATIENTS UNDERGOING CARDIAC SURGERY (PAAF STUDY) <b>N. Sansanayudh</b> , S. Chockchai, P. Tasukon, P. Laothavorn, C. Piamsomboon, S. Sanguanwong, C. Naksawadi, P. Uerojanaungkul, W. Tiyanon, V. Pinphanichakarn, Phramongkutklao Hospital, Bangkok, Thailand	304
18	MODIFIED CLOSED CARDIOPULMONARY BYPASS TECHNIQUE PERFORMED WITH MODIFIED ULTRAFILTRATION TO REDUCE INVASIVENESS FOR LOW-WEIGHT PATIENTS <b>S. Takabayashi</b> , H. Shimpo, K. Yokoyama, Y. Mitani, Y. Komada, Mie University, Tsu, Mie, Japan	305
19	RIGHT CORONARY REVASCULARIZATION BY CORONARY-CORONARY BY-PASS <b>A.A. Korkmaz</b> , B. Onan, B. Tamtekin, K. Oral, V. Aytakin, C. Bakay, Florence Nightingale Hospital, Istanbul, Turkey	306
20	THE EFFECT OF PREOPERATIVE ASPIRIN USE ON POSTOPERATIVE BLEEDING AND PERIOPERATIVE MYOCARDIAL INFARCTION IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY A.F. Fazelifar, <b>H.R. Bonakdar</b> , M.H. Ghaffarinejad, S.M. Shirvani, F. Noohi, Rajaie Cardiovascular Medical and Research Center, Tehran, Iran	307
21	OPEN HEART SURGERY IN NIGERIA <b>J.C. Eze</b> , N. Ezemba University of Nigeria Teaching Hospital Enugu, Enugu State, Nigeria	308

**POS 305**      **Poster Session**  
**INTERNAL DEFIBRILLATION / IMPLANTABLE ANTIARRHYTHMIC**  
**DEVICES / PACING**

Board No.		Abstract No.
22	<p>BARRIERS FOR IMPLANTABLE CARDIOVERTER  DEFIBRILLATORS IN AN ACADEMIC CENTER:  ARE WE MISSING ELIGIBLE PATIENTS?  <b>S.R. Natan</b>, L. Immordino, D. Whellan, A.J. Greenspon, D. Frisch,  B.B. Pavri, Thomas Jefferson University Hospital, Philadelphia, PA, USA</p>	309
23	<p>PREVENTION OF DIAPHRAGM STIMULATION DURING  BIVENTRICULAR PACING WITH LONG LEFT VENTRICULAR PULSE  A. Roka, S. Szilagyi, L. Geller, B. Merkely, <b>E. Zima</b>,  Semmelweis University, Budapest, Hungary</p>	310
24	<p>BIVENTRICULAR ICD EXPERIENCE IN THE OVERAGE POPULATION  <b>P.E. Zambito</b>, J.D. Fisher, K.J. Ferrick, S.G. Kim, J.A. Gross,  D.A. Krumerman, E.C. Palma, Albert Einstein College of Medicine,  Bronx, NY, USA</p>	311
25	<p>BETA BLOCKERS, ANGIOTENSIN-CONVERTING ENZYME  INHIBITORS OR ANGIOTENSIN RECEPTOR BLOCKERS, AND STATINS  REDUCE MORTALITY IN PATIENTS WITH IMPLANTABLE CARDIOVERTER-  DEFIBRILLATORS  <b>H.M. Lai</b>, W.S. Aronow, A. Kruger, H. Desai, H. Amin, W.H. Frishman,  M. Cohen, C. Sorbera, New York Medical College, Valhalla, NY, USA</p>	312
26	<p>PULSE AMPLITUDE AND PACEMAKER LONGEVITY GAIN-  12 MONTHS LATER  <b>N. Zlatanovik</b>, S. Kedev, N. Gjorgov, A. Georgiev, B. Gjeorgievska,  D. Kovacevik, I. Trajkov, V. Boskov, Cardiology Clinic, Skopje,  Republic of Macedonia</p>	313
27	<p>TELEMONITORING OF PACEMAKER / ICD PATIENTS:  INVESTIGATION OF TECHNOLOGIC POSSIBILITIES OF HOME  MONITORING IN HUNGARY  <b>E. Zima</b>, G. Szucs, T. Barany, T. Palmai, L. Molnar, T. Balazs, A. Nagy,  L. Geller, B. Merkely, Semmelweis University, Budapest, Hungary</p>	314
28	<p>QRS DURATION VS. CARDIAC OUTPUT DURING BIVENTRICULAR  PACING: PRELIMINARY RESULTS FROM THE BIPACS TRIAL  <b>M.E. Spotnitz</b>, M. Richmond, T.A. Quinn, S.E. Cabreriza, A. Whyte,  C.A. Albright, A.D. Weinberg, J.M. Dizon, H.M. Spotnitz,  Columbia University, New York, NY, USA</p>	315

**POS 306 Poster Session  
PRIMARY PREVENTION OF CORONARY ARTERY DISEASE IN THE  
HEALTHY ADULT AND CHILDREN**

Board No.		Abstract No.
29	VITAMIN D – AN UNDER APPRECIATED NOVEL CARDIAC RISK FACTOR <b>A.S. Volgman</b> , D. Mookherjee, J. Spector, J. Mathien, L. Braun Rush University Medical Center, Chicago, IL, USA	316
30	VEGETARIAN AND NON-VEGETARIAN DIET IN TEENAGERS IN RELATION TO CARDIOVASCULAR AND MOTOR FITNESS <b>A. Bajaj</b> , S. Dhingra, A.K. Sharma, Punjabi University, Patiala, Punjab, India	317
31	DEPRESSIVE SYMPTOMS AND PRO-INFLAMMATORY PARAMETERS (HSCRIP, IL-6) IN EARLY STAGES OF ATHEROSCLEROSIS <b>R. Azar</b> , R.P. Nolan, D.E. Stewart, University Health Network (UHN), University of Toronto, ON, Canada	318
32	DIAGNOSIS OF ARTERIOSCLEROSIS BY PULSE WAVE VELOCITY <b>T. Kurosu</b> , K. Shimizu, K. Nakamura, K. Hirano, M. Suzuki, J. Suzuki, T. Tomaru, Toho University Medical Center, Sakura, Chiba, Japan	319
33	EFFECT OF SHORT-TERM CARDIAC REHABILITATION ON THE COURSE OF ILLNESS OF MYOCARDIAL INFARCTION <b>N. Elahi</b> , S. Davodvand, M. Ahmadi, M. Kardani Ahvaz Jondishapour Medical Science University, Iran	320

**POS 307 Poster Session  
MISCELLANEOUS**

34	PRIMARY CARDIAC PHEOCHROMOCYTOMA, A VERY UNUSUAL CARDIAC TUMOR <b>G.L. Knop</b> , R.A. Margaria, Argentina Clinic, General Pico, La Pampa, Argentina	321
35	RACIAL DISPARITIES IN CORONARY ANGIOGRAPHY AND NONINVASIVE TESTING: MYTH OR REALITY? A. Niraj, V. Veeranna, J. Pradhan, P.V. Vaitkevicius, L. Afonso, <b>H. Fakhry</b> , Wayne State University, Detroit, Michigan, USA	322
36	EFFECTS OF MULTIPLE-SETS RESISTANCE TRAINING ON CARDIOVASCULAR RESPONSES <b>C.K.C. Sa</b> , A.M. Costa, A. Martins, A.M. Mendonca, S. Garcia, Escola Bahiana de Medicina e Saude Publica, Bahia, Brazil	323

**POS 308 Poster Session**  
**SECONDARY PREVENTION PROGNOSIS, RISK STRATIFICATION,**  
**CARDIAC REHAB**

Board No.		Abstract No.
37	ENDOTHELIAL PROGENITOR CELLS FOLLOWING EXERCISE TRAINING IN HEMODIALYSIS PATIENTS <b>F. Manfredini</b> , G.M. Rigolin, A.M. Malagoni, L. Catizone, S. Mandini, E. Mauro, S. Soffritti, B. Boari, P. Zamboni, R. Manfredini, University of Ferrara, Ferrara, Italy	324
38	ALBUMINURIA, THE GLOMERULAR FILTRATION RATE, AND ANGIOGRAPHICALLY DETERMINED CORONARY ATHEROSCLEROSIS P. Rein, <b>C.H. Saely</b> , L. Risch, S. Beer, A. Vonbank, M. Woess, C. Boehnle, V. Jankovic, U. Neyer, H. Drexel, VIVIT Institute, Feldkirch, Austria	325
39	CHANGE IN MODIFIABLE RISK FACTORS AMONG PATIENTS WITH OVERWEIGHT AND OBESITY IN CARDIAC REHABILITATION SETTING M. Saidi, F. Gerami, A.A. Rashidi, P. Ezati, K. Visi, M. Nalini, S. Rambarzin, <b>F. Najafi</b> , A. Sorosh, Kermanshah University of Medical Sciences, Kermanshah, Iran	326

**PL: 11 Plenary Session  
MANAGEMENT OF ATRIAL FIBRILLATION AND ATRIAL FLUTTER**

Chairpersons: **A.B. Curtis**, Tampa, FL, USA  
**J. Weitz**, Hamilton, ON, Canada

		Abstract No.
14:00	NOVEL MECHANISTIC INSIGHTS INTO THE PROGRESSION OF HUMAN ATRIAL FIBRILLATION (Invited Lecture) <b>D. Dobrev</b> , Dresden University of Technology, Dresden, Germany	327
14:15	NEW ADVANCES IN ECHOCARDIOGRAPHY IN ATRIAL FIBRILLATION (Invited Lecture) <b>A.L. Klein</b> , The Cleveland Clinic Foundation, Cleveland, OH, USA	328
14:30	ACE INHIBITORS, STATINS, ARBS: DO THEY REALLY PREVENT ATRIAL FIBRILLATION? (Invited Lecture) <b>A.B. Curtis</b> , University of South Florida, Tampa, FL, USA	330
14:45	LONG-TERM OUTCOMES AFTER ABLATION OF ATRIAL FLUTTER: A META-ANALYSIS (Invited Lecture) <b>M.A. Wood</b> , C.M. Schubert, F.J. Perez, K.A. Ellenbogen, Virginia Commonwealth University, Richmond, VA, USA	331
15:00	ASPIRIN COMBINED WITH ORAL ANTICOAGULATION AND DIRECT THROMBIN INHIBITORS (Invited Lecture) <b>G. Flaker</b> , University of Missouri, Columbia, MO, USA	332
15:15	NEW ORAL ANTICOAGULANTS: THE FUTURE FOR STROKE PREVENTION IN ATRIAL FIBRILLATION (Invited Lecture) <b>J. Weitz</b> , Hendersen Research Center, Hamilton, Ontario, Canada	333
15:30	FREQUENCY MAPPING OF COMPLEX ATRIAL FRACTIONATED ELECTROGRAMS (CAFE) DURING ATRIAL FIBRILLATION (Invited Lecture) <b>E.P. Gerstenfeld</b> , J.F. Roux, S. Gojraty, C. Liu, R. Bala, M. Hutchinson, S. Dixit, F.E. Marchlinski, Hospital of the University of Pennsylvania, Philadelphia, PA, USA	334
15:45	EMERGENCE OF CRYOABLATION AS A THERAPY FOR ATRIAL FIBRILLATION (Invited Lecture) <b>P.G. Guerra</b> , Montreal Heart Institute, Montreal, QC, Canada	335
16:00	RESULTS OF CONCOMITANT INTRAOPERATIVE ABLATION TO TREAT PERMANENT ATRIAL FIBRILLATION (Invited Lecture) <b>T. Deneke</b> , K. Khargi, P.H. Grewe, T. Lawo, D. Voss, A. Laczkovics, A. Muegge, B. Lemke, M. Fritz, University of Bochum, Bochum, Germany	336
16:15	GIVING RAT POISON TO PATIENTS IS EVEN MORE DANGEROUS THAN PREVIOUSLY THOUGHT: A RE-EXAMINATION OF LONG-TERM WARFARIN THERAPY (Invited Lecture) <b>P. Whittaker</b> , University of Massachusetts, Worcester, MA, USA	337
16:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL:12 Plenary Session  
MODULATION OF ISCHEMIA – REPERFUSION INJURY, NOVEL  
BIOMARKERS**

Chairpersons: **J.G. Filep**, Montreal, QC, Canada  
**K. Przyklenk**, Detroit, MI, USA

Abstract No.

14:00	MODIFICATION OF THE INFARCT SIZE LIMITING EFFECTS OF STATINS BY ANTIPLATELET DRUGS (Invited Lecture) <b>Y. Birnbaum</b> , University of Texas, Galveston, TX, USA	338
14:15	MYOCARDIAL ISCHEMIA-REPERFUSION INJURY IN THE DIABETIC HEART (Invited Lecture) <b>K. Przyklenk</b> , Wayne State University School of Medicine, Detroit, MI, USA	339
14:30	CYTOCHROME P450 ENZYMES IN HEART DISEASE (Invited Lecture) <b>I. Fleming</b> , Klinikum der J.W. Goethe-Universität, Frankfurt, Germany	340
14:45	THE ROLE OF THE CHEMOKINES IN HEALING MYOCARDIAL INFARCTION (Invited Lecture) <b>N.G. Frangogiannis</b> , Baylor College of Medicine, Houston, TX, USA	341
15:00	FETAL PROGRAMMING INCREASES CARDIAC SUSCEPTIBILITY TO ISCHEMIA/REPERFUSION INJURY (Invited Lecture) <b>S.T. Davidge</b> , University of Alberta, Edmonton, AB, Canada	342
15:15	NEW PLAQUE BIOMARKERS FOR ATHEROSCLEROTIC DISEASE PROGRESSION: OUTCOME OF THE LONGITUDINAL ATHERO-EXPRESS STUDY (Invited Lecture) <b>G. Pasterkamp</b> , F. Moll, D. de Kleijn, University Medical Center, Utrecht, The Netherlands	343
15:30	SERUM AMYLOID A: A MARKER AND MEDIATOR OF ACUTE CORONARY SYNDROMES (Invited Lecture) <b>J.G. Filep</b> , Maisonneuve-Rosemont Hospital, Montreal, QC, Canada	344
15:45	CARDIAC BIOMARKERS IN PULMONARY EMBOLISM AND LUNG DISEASE (Invited Lecture) <b>I. Khan</b> , University of Maryland, Baltimore, MD, USA	345
16:00	ELEVATED LEVELS OF TROPONIN IN ACUTE ISCHEMIC STROKE – SILENT CORONARY ARTERY DISEASE? (Invited Lecture) <b>J. Jensen</b> , Odense University Hospital, Odense, Denmark	346
16:15	UROCORIN RELEASE FROM ISCHEMIC, THOUGH VIABLE, CARDIAC CELLS, ANTICIPATES THE OCCURRENCE OF IRREVERSIBLE INJURY. GENESIS OF A NEW CLINICAL MARKER OF SUBLETHAL CARDIAC ISCHEMIA? C. Chen-Scarabelli, J.D. Rezza, Z. Yuan, E. Kuizon, G.M. Scarabelli, G. Spears, L. Saravolatz, <b>T.M. Scarabelli</b> , Wayne State University, Detroit, MI, USA	347
16:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**S31**

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

Chairpersons: **L. Harris**, Toronto, ON, Canada  
**E. Horlick**, Toronto, ON, Canada

Abstract No.

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|-------|---|-----|
| 14:00 | INTERMEDIATE FOLLOW-UP OF NATIVE AND RECURRENT COARCTATION STENT REPAIR, IS INTEGRATED IMAGING OF THE AORTIC ARCH NECESSARY? A MULTI-INSTITUTIONAL STUDY<br><b>G. Srinath</b> , T. Forbes, The Children's Hospital Michigan, Detroit, MI, USA   | 348 |
| 14:15 | A NEW SCORING SYSTEM TO PREDICT INTRAVENOUS IMMUNOGLOBULIN UNRESPONSIVENESS IN PATIENTS WITH KAWASAKI DISEASE<br><b>S. Shimoyama</b> , T. Kobayashi, Y. Inoue, K. Takeuchi, T. Kobayashi, Y. Okada, K. Tamura, T. Tomomasa, T. Otani, H. Arakawa, A. Morikawa, Gunma University, Maebashi, Gunma, Japan | 349 |
| 14:30 | THE ISSUE OF ATRIAL FIBRILLATION AFTER TRANSCATHETER PATENT FORAMEN OVALE CLOSURE IN ADULTS<br><b>G. Bronzetti</b> , C. D'angelo, A. Donti, A. Giardini, L. Salomone, E. Mariucci, G. Boriani, F.M. Picchio, University of Bologna, Bologna, Italy  | 350 |
| 14:45 | REMOVAL OF PROSTAGLANDIN E2 INCREASES INTRAOPERATIVE BLOOD PRESSURE DURING MODIFIED ULTRAFILTRATION IN PEDIATRIC CARDIAC SURGERY<br><b>S. Takabayashi</b> , H. Shimpo, K. Yokoyama, Y. Mitani, Y. Komada, Mie University, Tsu, Mie, Japan   | 351 |
| 15:00 | IS THERE AN OPTIMAL TIME FOR THE COMPLETION OF TOTAL CAVOPULMONARY CONNECTION AFTER BIDIRECTIONAL GLENN ANASTOMOSIS?<br><b>N. Mkrtchyan</b> , C. Karapetyan, L. Hakobyan, H. Hovaguimian, K. Kurdov, I. Bakunts Nork Marash Medical Center, Yerevan, Armenia  | 352 |
| 15:15 | IMPAIRED LEFT VENTRICULAR GLOBAL AND DIASTOLIC FUNCTION IN CHILDREN WITH END STAGE RENAL DISEASE<br><b>S. Aggarwal</b> , S. Patel, T. Mattoo, R. Valentini, Children's Hospital of Michigan, Detroit, MI, USA   | 353 |
| 15:30 | HEMODYNAMIC RECOVERY OF POST-RESUSCITATION TREATMENT WITH N-ACETYLCYSTEINE AND NOS INHIBITOR IN HYPOXIC PIGLETS<br>T-F. Lee, C. Tymafichuk, <b>P-Y. Cheung</b> , University of Alberta, Edmonton, AB, Canada  | 354 |
| 15:45 | MYOCARDIAL PERFORMANCE INDEX - A PRELOAD-INDEPENDENT MEASURE OF LEFT VENTRICULAR GLOBAL FUNCTION<br><b>S. Aggarwal</b> , S. Patel, T. Mattoo, R. Valentini, Children's Hospital of Michigan, Detroit, MI, USA   | 355 |
| 16:00 | EVOLUTION OF TRANSCATHETER CLOSURE OF PERIMEMBRANOUS VENTRICULAR SEPTAL DEFECTS IN A SINGLE CENTRE<br>D.P. Kenny, <b>G.M. Morgan</b> , A. Bajwa, C. Farrow, A.J. Tometzki, R.P. Martin, Bristol Royal Hospital for Children, Bristol, UK  | 356 |

**MONDAY, JULY 28, 2008**

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14:00 – 16:45

S31 (cont.)

Hall C

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Abstract No.

- 16:15      BLOOD GLUCOSE LEVEL NEGATIVELY CORRELATES WITH CEREBRAL OXYGEN SATURATION IN NEONATES AFTER THE NORWOOD PROCEDURE      357  
H. Zhang, M. Merat, H. Holtby, S. Cai, G.S.V. Arsdell, **J. Li**,  
University of Toronto, Toronto, Canada
- 16:30      HEPATIC FIBROSIS AND CIRRHOSIS IN THE FONTAN CIRCULATION: A DETAILED MORPHOLOGICAL STUDY      358  
**T.J. Kendall**, B. Stedman, N. Hacking, M. Haw, J.J. Vettukattill, A.P. Salmon,  
R. Cope, N. Sheron, J.P. Iredale, G.R. Veldtman, University Hospital of  
Southampton, Southampton, UK
- 16:45      COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**S32**

**Session**

**GENETIC DETERMINANTS OF HEART DISEASE, GENE AND CELL  
BASED THERAPIES, BASIC RESEARCH**

Chairpersons: **K.N. Pandey**, New Orleans, LA, USA

Abstract No.

14:00	LARGE SCALE SNPS ASSOCIATION STUDY TO IDENTIFY GENES CONFER RISK OF MYOCARDIAL INFARCTION <b>K. Ozaki</b> , H. Sato, N. Ishii, Y. Ebana, A. Iida, H. Mizuno, M. Hori, Y. Nakamura, T. Tanaka, The Institute of Physical and Chemical Research (RIKEN), Tokyo, Japan	359
14:15	A COMMON VARIANT OF ENOS GENE IS AN INDEPENDENT RISK FACTOR FOR LEFT VENTRICULAR HYPERTROPHY IN HYPERTENSION <b>Y. Xin</b> , X.D. Song, H. Xue, Z. Liu, H. Wang, Y. Shi, Y.Y Bai, C.Y. Fu, W.J. Li, R.T. Hui, Peking Union Medical College, Beijing, China	360
14:30	LEUKOTRIENE C4 SYNTHASE AND RISK FOR ATHEROSCLEROSIS IN THE MUSCATINE COHORT LONGITUDINAL STUDY <b>D.M. Iovannisci</b> , E.J. Lammer, L. Steiner, S. Cheng, L.T. Mahoney, P.H. Davis, T.L. Burns, Children's Hospital and Research Center Oakland, Oakland, CA, USA	361
14:45	IDENTIFICATION OF MULTIPOTENT MESENCHYMAL PROGENITOR CELLS IN THE PORCINE AORTIC VALVE J.H. Chen, <b>C.A. Simmons</b> , University of Toronto, Toronto, ON, Canada	362
15:00	DIRECTLY TARGETING MYOCARDIAL FIBROSIS WITH FT011 IMPROVES HEART FUNCTION IN EXPERIMENTAL DIABETIC CARDIAC DISEASE <b>Y. Zhang</b> , K. Connelly, H. Krum, R.E. Gilbert, D.J. Kelly, University of Melbourne, Melbourne, Australia	363
15:15	CARDIAC DYSTROPHINOPATHIES: PREVALENCE AND PHENOTYPES IN PATIENTS WITH IDIOPATHIC DILATED CARDIOMYOPATHY <b>M. Pasotti</b> , M. Diegoli, A. Serio, A. Pilotto, N. Marziliano, M. Grasso, F. Gambarin, E. Porcu, S. Mannarino, E. Arbustini, Centre for Inherited Cardiovascular Diseases, Pavia, Italy	364
15:30	RECENT ADVANCES IN AUTOLOGOUS TISSUE HEART VALVES "BIOVALVES" H: IMPROVED SCAFFOLDS FOR OPTIMAL TISSUE FORMATION AND VALVULAR FUNCTIONS <b>K. Kanda</b> , K. Hayashida, M. Onoyama, T. Tajikawa, H. Ishida, Y. Yahata, K. Ooba, T. Ooie, Y. Okamoto, Y. Nemoto, H. Ueda, T. Watanabe, M. Yamanami, H. Yaku, Y. Nakayama, Kyoto Prefectural University of Medicine, Kyoto, Japan	365
15:45	DEVELOPMENT OF NEW CORONARY ARTERIES DUE TO ANGIOGENIC NOS3 GENE THERAPY (SV22) CIRCUMVENTS CORONARY ARTERY DISEASE (CAD) <b>J. Giannios</b> , N. Kolliopoulos, N. Alexandropoulos, A. Kanellopoulos, Erasimio Hospital, Athens, Greece	366
16:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL:13 Plenary Session  
NEW CONCEPTS IN TRANSLATIONAL CARDIAC REPAIR AND  
REGENERATION**

Chairpersons: **R.J. Lee**, San Francisco, CA, USA  
**H.N. Sabbah**, Detroit, MI, USA

Abstract No.

16:45	RECONSTRUCTION OF THE FAILING LEFT VENTRICLE WITH INTRAMYOCARDIAL INJECTIONS OF BIOPOLYMERS (Invited Lecture) <b>H.N. Sabbah</b> , Henry Ford Hospital, Detroit, MI, USA	367
17:00	MESENCHYMAL STROMAL CELL THERAPY IN HEART DISEASE (Invited Lecture) <b>J. Kastrup</b> , University Hospital Rigshospitalet, Copenhagen, Denmark	368
17:15	IN SITU TISSUE ENGINEERING FOR THE TREATMENT OF CARDIOMYOPATHY (Invited Lecture) <b>R.J. Lee</b> , University of California, San Francisco, CA, USA	369
17:30	THE ROLE OF ENDOTHELIAL PROGENITOR CELLS IN ATHEROSCLEROSIS AND CORONARY ARTERY DISEASE (Invited Lecture) <b>S-J. Lin</b> , P.H. Huang, J.W. Chen, Taipei Veterans General Hospital, Taipei, Taiwan-R.O.C.	370
17:45	HUMAN SERCA2A CONTROLS VASCULAR SMOOTH MUSCLE CELL PROLIFERATION A-M. Lompre, A. Coulombe, S. Lehoux, B. Esposito, F. Atassi, C. Le Feuvre, S. Hatem, R.J. Hajjar, <b>L. Lipskaia</b> , Mount Sinai School of Medicine, New York, NY, USA	371
18:00	THE MOLECULAR REGULATION OF GHRELIN EXPRESSION IN CULTURED CARDIOMYOCYTES BY CYCLIC MECHANICAL STRETCH <b>B.W. Wang</b> , Y.C. Liu, H. Chang, K.G. Shyu, Shin Kong Wu Ho-Su Memorial Hospital, Taipei, Taiwan	372
18:15	LIPOSOME MEDIATED VASCULAR ENDOTHELIAL GROWTH FACTOR-165 TRANSFECTION WITH SKELETAL MYOBLAST FOR CARDIAC REPAIR <b>L. Ye</b> , K.H. Haider, W.B. Esa, R.S. Tan, L.P. Su, P.K. Law, W. Zhang, E.K.W. Sim, National University of Singapore, Singapore	373
18:30	HSPA12B IS A NOVEL ANGIOGENESIS REGULATOR AND PROTECTS AGAINST ISCHEMIA/REPERFUSION INJURY IN A RAT MODEL <b>Z. Han</b> , R. Steagall, M. Thirunavukkarasu, J. Zhan, N. Maulik, East Tennessee State University, Johnson City, TN, USA	374
18:45	SUSTAINED REVERSE REMODELING IS OBSERVED UP TO SIX MONTHS AFTER MESENCHYMAL STEM CELLS (MSC) TRANSPLANTATION <b>E.J. Molina</b> , D. Torres, J. Palma, D. Gupta, J.P. Gaughan, M. Macha, Temple University School of Medicine, Philadelphia, PA, USA	375

**MONDAY, JULY 28, 2008**

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16:45 – 19:45

PL13 (cont.)

Hall A

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		Abstract No.
19:00	TNF PRE CONDITIONING IS SUPERIOR TO HYPOXIC PRECONDITIONING OF HUMAN STEM CELLS IN ANGIOGENIC GROWTH FACTOR PRODUCTION <b>P.R. Crisostomo</b> , M. Wang, Y. Wang, T. Lahm, D.R. Meldrum, Indiana University, Indianapolis, IN, USA	376
19:15	FT011 IMPROVES HEART FUNCTION AND PREVENTS FIBROSIS IN EXPERIMENTAL MYOCARDIAL INFARCTION <b>K. Connelly</b> , Y. Zhang, M. Elsik, H. Krum, R.E. Gilbert, D.J. Kelly, University of Melbourne, Melbourne, Australia	377
19:30	PEPTIDASES DEGRADING CARDIOPROTECTIVE NATRIURETIC PEPTIDES: A NEW TARGET FOR THE TREATMENT OF CARDIOVASCULAR DISEASES? (Invited Lecture) <b>T. Walther</b> , Charite-Universitätsmedizin, Berlin, Germany	378

**PL:14 Plenary Session  
CARDIOVASCULAR DISEASE IN WOMEN/ EPIDEMIOLOGY/ RISK  
ASSESSMENT**

Chairpersons: **E.L. Barrett-Connor**, San Diego, CA, USA  
**V. Bittner**, Alabama, USA

		Abstract No.
16:45	CIRCADIAN ASPECTS OF CARDIOVASCULAR DISEASES (Invited Lecture) <b>R. Manfredini</b> , Hospital of Delta, Ferrara, Italy	379
17:00	HEART FAILURE IN WOMEN: REALLY DIFFERENT OR JUST PC? (Invited Lecture) <b>M.R. Johnson</b> , University of Wisconsin, Madison, WI, USA	381
17:15	DYSLIPIDEMIA IN WOMEN: EPIDEMIOLOGY AND TREATMENT (Invited Lecture) <b>V. Bittner</b> , University of Alabama at Birmingham, Alabama, USA	382
17:30	OUTCOMES FOR WOMEN FOLLOWING CARDIAC SURGERY (Invited Lecture) <b>V. Guru</b> , Institute for Clinical Evaluative Sciences, Toronto, ON, Canada	383
17:45	PREGNANCY AND HEART DISEASE – UNDERSTANDING THE RISKS (Invited Lecture) <b>C. Silversides</b> , University Health Network, Toronto, ON, Canada	384
18:00	COFFEE AND CORONARY DISEASE (Invited Lecture) <b>A. L. Klatsky</b> , Kaiser Permanente Medical Center, Oakland, CA, USA	385
18:15	INTERMITTENT CLAUDICATION: WALKING DISABILITY OR CARDIOVASCULAR DISEASE? (Invited Lecture) <b>F. Manfredini</b> , University of Ferrara Medical School, Ferrara, Italy	386
18:30	HEART RATE - THE OTHER CV RISK FACTOR? (Invited Lecture) <b>S. Gupta</b> , Whipps Cross and St. Bartholomew's Hospitals, Leytonstone, UK	387

**S33**

**Session**

**NEW APPROACHES TO SURGICAL REVASCULARIZATION / HEART VALVE SURGERY / CARDIAC TRANSPLANTATION**

Chairpersons: **J.A. Elefteriades**, New Haven, CT, USA  
**N.M. Rajamannan**, Chicago, IL, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | COMPARISON OF CLINICAL AND ECONOMIC OUTCOMES OF TWO ANTIBIOTIC PROPHYLAXIS REGIMENS FOR STERNAL WOUND INFECTION IN HIGH-RISK PATIENTS FOLLOWING CORONARY ARTERY BYPASS GRAFTING SURGERY: A PROSPECTIVE RANDOMISED DOUBLE-BLIND CONTROLLED TRIAL<br>K. Dhadwal, S. Al-Ruzzeh, T. Athanasiou, M. Choudhry, P. Tekkis, P. Vuddamalay, H. Lyster, M. Amrani, <b>S.J. George</b> , Harefield Hospital, Harefield, UK | 389 |
| 17:00 | URGENT STENT GRAFT TREATMENT OF THE THORACIC AORTA: DO MIDTERM CLINICAL OUTCOMES FULFILL WHAT EARLY OUTCOMES PROMISED?<br><b>A. Zierer</b> , M. Doss, Johann Wolfgang Goethe University, Frankfurt/Main, Germany  | 390 |
| 17:15 | ROLE OF 24 HOUR AMBULATORY BLOOD PRESSURE MONITORING AFTER HEART TRANSPLANTATION IN PEDIATRIC PATIENTS: PRELIMINARY RESULTS<br><b>F.I. Calo Carducci</b> , G. Grutter, U. Giordano, C. Iacoella, F. Parisi, Pediatric Hospital Bambino Gesù, Rome, Italy  | 391 |
| 17:30 | POTENTIAL ROLE OF CIRCULATING PROGENITOR CELLS IN CORONARY MICROVASCULAR DYSFUNCTION OF HEART TRANSPLANT PATIENTS WITH NORMAL CORONARY ANGIOGRAMS<br><b>E. Osto</b> , F. Tona, G.P. Fadini, G. Tarantini, I. Baesso, M. Napodano, C. Agostini, A. Avogaro, G. Gerosa, S. Illiceto, University of Padova, Padova, Italy  | 393 |
| 17:45 | IMPACT OF RENAL INSUFFICIENCY ON OUTCOMES OF OFF-PUMP CORONARY ARTERY BYPASS GRAFTING<br><b>G.C. Mannam</b> , L.R. Sajja, R.M. Chakravarthi, The Institute of Medical Sciences, Hyderabad, AP, India  | 394 |
| 18:00 | IMPACT OF PATIENT-PROSTHESIS MISMATCH ON EXERCISE CAPACITY IN PATIENTS AFTER BIOPROSTHETIC AORTIC VALVE REPLACEMENT<br><b>S. Bleiziffer</b> , W.B. Eichinger, I. Hettich, D. Ruzicka, M. Wottke, R. Bauernschmitt, R. Lange, German Heart Center Munich, Munich, Germany  | 395 |
| 18:15 | POOR CORRELATION OF PULMONARY SYSTOLIC PRESSURE USING ECHOCARDIOGRAPHY VERSUS RIGHT HEART CATHETERIZATION IN PATIENTS AWAITING HEART TRANSPLANTATION<br><b>R. Attaran</b> , B. Boudi, R. Movahed, University of Arizona, Tucson, AZ, USA  | 396 |

**MONDAY, JULY 28, 2008**

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16:45 – 19:30

S33 (cont.)

Hall C

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		Abstract No.
18:30	ROSS REVERSAL: REIMPLANTATION OF THE PULMONARY AUTOGRAFT INTO THE PULMONARY POSITION <b>K.M. George</b> , M.J. Flynn, E.R. Nowicki, E.H. Blackstone, G.B. Pettersson, Cleveland Clinic, Cleveland, OH, USA	397
18:45	CAUSE OF ISCHEMIC MITRAL REGURGITATION AFTER CORONARY ARTERY BYPASS GRAFTING T. Hakala, H Suurmunne, <b>J. Mustonen</b> , J. Kouri, O. Pitkanen, North Karelia Central Hospital, Joensuu, Finland	398
19:00	RIGHT VENTRICULAR OUTFLOW TRACT RECONSTRUCTION USING A HAND-FASHIONED EPTFE VALVE-EQUIPPED CONDUIT <b>S. Takabayashi</b> , H. Shimpo, K. Yokoyama, Y. Mitani, Y. Komada, Mie University, Tsu, Mie, Japan	399
19:15	IMPACT OF FIBRONECTIN AND MYELOPEROXIDASE IN CORONARY ARTERY DISEASE A Orman, <b>M.N. Akkus</b> , N. Ercetin, G. Polat, S. Erden, A. Camsari, D. Cicek, V.G. Cin, Mersin University, Mersin, Turkey	400

**POS 401 Poster Session**  
**VALVULAR HEART DISEASE / HEART VALVE SURGERY - ADULT**

Board No.		Abstract No.
1	A NEW TISSUE DOPPLER BASED DIASTOLIC TIME INTERVAL PREDICTS RAISED PULMONARY WEDGE PRESSURE IN MITRAL VALVE DISEASE <b>V. Chaturvedi</b> , S. Seth, A. Roy, V.K. Bahl, All India Institute of Medical Sciences, New Delhi, India	401
2	REDO AVR CAN BE PERFORMED WITH AN ACCEPTABLE PERIOPERATIVE RISK <b>S. Christiansen</b> , M. Schmid, R. Autschbach, University of Aachen, Aachen, Germany	402
3	REDO VERSUS FIRST PERCUTANEOUS BALLOON MITRAL VALVOTOMY FOR MITRAL STENOSIS: RESULTS AND FACTORS RELATED TO TIME TO REDO PROCEDURE <b>O.A. Rifaie</b> , M.I. Mohamad, M.M.Helmi, M.M. Elbiali, AinShams University, Cairo, Egypt	403
4	MITRAL ANNULUS CALCIFICATION IS INDEPENDENTLY ASSOCIATED WITH ALL CAUSE MORTALITY C. Manrique, A. Martinez, M.A. Rahman, H.A. Guima, <b>M.R. Movahed</b> , University of Arizona, Southern Arizona VA Health Care System, Tucson, AZ, USA	404
5	SEASONAL VARIATION IN OCCURRENCE OF AORTIC DISEASES: SUMMER LOW OR WINTER HIGH? R. Salmi, B. Boari, M. Gallerani, E. Bossone, S. Mandini, A.M. Malagoni, F. Mascoli, P. Zamboni, F. Manfredini, <b>R. Manfredini</b> , University of Ferrara, Ferrara, Italy	405
6	DAY-OF-WEEK VARIABILITY IN THE OCCURRENCE AND OUTCOME OF AORTIC DISEASES R. Salmi, B. Boari, M. Gallerani, E. Bossone, A.M. Malagoni, S. Mandini, F. Mascoli, P. Zamboni, F. Manfredini, <b>R. Manfredini</b> , University of Ferrara, Ferrara, Italy	406
7	LONGTERM OUTCOMES FOR REVASCULARIZATION AND VALVULAR CARDIAC SURGERY IN OCTOGENARIAN: A COMPARATIVE STUDY <b>R.K. Chaturvedi</b> , B. DeVarenes, K. Lachapelle, McGill University, Montreal, QC, Canada	407
8	RHEUMATIC HEART DISEASE IN SCHOOL CHILDREN: AN ECHOCARDIOGRAPHIC STUDY K.L. Periwal, R B. Panwar, B.K. Gupta, P.C. Khatri, <b>V.B. Singh</b> , S. Raja, R. Gupta, S. P Medical College, Bikaner Rajasthan, India	408

**POS 402      Poster Session  
MOLECULAR CARDIOLOGY, BASIC RESEARCH**

Board No.		Abstract No.
9	<p>PKC-<math>\alpha</math> SUBUNIT RELOCATES TO THE MITOCHONDRIA {MITOCHONDRIA?} IN UROCORTIN-POSITIVE CARDIAC MYOCYTES OF PATIENTS UNDERGOING ON-PUMP CARDIAC SURGERY                      J.D. Rezze, C. Chen-Scarabelli, Z. Yuan, E. Kuizon, G.M. Scarabelli, G. Spears, L. Saravolatz, <b>T.M. Scarabelli</b>, Wayne State University, Detroit, MI, USA</p>	409
10	<p>EFFECTS OF EPO ADMINISTRATION ON THE GENE EXPRESSION OF PERIPHERAL BLOOD CELLS IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION SHOWS DIFFERENCES IN APOPTOTIC, INFLAMMATORY AND ANGIOGENIC PATHWAYS  <b>N. Marziliano</b>, M. Grasso, E. Porcu, A. Pilotto, M. Ferrario, M. Diegoli, L. Tavazzi, E. Arbustini, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy</p>	410

**POS 403      Poster Session  
HYPERTENSION: BASIC AND CLINICAL**

11	<p>LEFT VENTRICULAR HYPERTROPHY AND HYPERTENSION ARE ASSOCIATED WITH OBESITY IN HEALTHY TEENAGERS  <b>M.R. Movahed</b>, A. Martinez, S. Bates, S. Sattur, University of Arizona, Southern Arizona VA Health Care System, Tucson, AZ, USA</p>	411
12	<p>NORMALIZED DYNAMIC BLOOD PRESSURE PARAMETERS – ADDITIONAL MARKER OF HYPERTENSION RISK  <b>P. Jurak</b>, J. Halamek, V. Vondra, P. Leinveber, P. Frana, M. Plachy, M. Soucek, T. Kara, Institute of Scientific Instruments, Brno, Czech Republic</p>	412
13	<p>A LOW E/A RATIO AND A PROTRACTED ISOVOLUMETRIC RELAXATION TIME PREDICT CARDIOVASCULAR OUTCOMES IN PATIENTS WITH HYPERTENSION                      C. Esis, M. Bracho, E. Silva, <b>A. Gonzalez</b>, S. Briceno, Universidad del Zulia, IECTAS, Maracaibo, Venezuela</p>	413
14	<p>THE EFFECTS OF ANTI-HYPERTENSIVE DRUGS ON DIASTOLIC AND SYSTOLIC HYPERTENSION IN CHINESE                      Y.F. Han, X.H. Fan, K. Sun, W.J. Li, <b>X.J. Wang</b>, J.Z. Cheng, Y.S. Zhen, Y. Zheng, X. Yang, R.T. Hui, Chinese Academy of Medical Sciences &amp; Peking Union Medical College, Beijing, China</p>	414
15	<p>FIXED DOSE PERINDOPRIL AND AMLODIPINE IN HYPERTENSION INADEQUATELY MANAGED WITH COMBINATION TREATMENT  <b>H.P. Thacker</b>, Jaslok Hospital &amp; Research Center, Mumbai, Maharashtra, India</p>	415

**POS 404 Poster Session  
MODIFICATION OF LIPOPROTEINS AND CORONARY DISEASE**

Board No.		Abstract No.
16	LIPID PREDICTORS OF CARDIOVASCULAR EVENTS IN STATIN-TREATED CORONARY PATIENTS WITH TYPE 2 DIABETES H. Drexel, S. Aczel, A. Vonbank, <b>C.H. Saely</b> , VIVIT Institute, Feldkirch, Austria	416
17	EFFECT AND TOLERABILITY OF EXTENDED RELEASE FORM OF NICOTINIC ACID IN THE MANAGEMENT OF MIXED DYSLIPIDEMIA <b>S.H. Kim</b> , J.H. Zo, M.A. Kim, H.S. Kim, H.L. Lee, Seoul Metropolitan Boramae Hospital, Seoul, Korea	417
18	LDL-APHERESIS AND THE ACUTE REDUCTION OF INFLAMMATORY HDL-C <b>P.M. Moriarty</b> , J.M. Belmont, A. Kumar, I. Opole, Kansas University Medical Center, Kansas City, KS, USA	418
19	NON-HDL, WAIST CIRCUMFERENCE VS. TRIGLYCERIDE, WAIST CIRCUMFERENCE IN DETECTING HIGH CARDIOVASCULAR DISEASE RISK <b>D. Joshi</b> , J. Liu, Brock University, St. Catharines, ON, Canada	419

**POS 405 Poster Session  
SECONDARY PREVENTION, PROGNOSIS, RISK STRATIFICATION, CARDIAC REHAB**

20	DIFFERENCES IN FACTORS AFFECTING CARDIAC REHABILITATION REFERRAL BY PHYSICIAN SPECIALTY <b>S.L. Grace</b> , K. Grewal, D.E. Stewart, York University, Toronto, ON, Canada	420
21	KEY ROLE OF LOW HDL CHOLESTEROL FOR THE ASSOCIATION OF THE METABOLIC SYNDROME WITH INFLAMMATION IN CORONARY PATIENTS P. Rein, <b>C.H. Saely</b> , S. Beer, A. Vonbank, M. Woess, C. Boehnel, V. Jankovic, H. Drexel, VIVIT Institute, Feldkirch, Austria	421
22	CARDIOVASCULAR STRAIN IN PERIPHERAL ARTERIAL DISEASE. A STUDY WITH NEAR INFRARED SPECTROSCOPY <b>F. Manfredini</b> , M. Felisatti, A.M. Malagoni, S. Mandini, R. Manfredini, F. Mascoli, P. Zamboni, University of Ferrara, Ferrara, Italy	422
23	CHANGES OF TREATMENT GAP IN THE MANAGEMENT OF HYPERCHOLESTEROLEMIA IN THE PATIENTS WITH CORONARY HEART DISEASE <b>S.H. Kim</b> , J.D. Sung, K.H. Han, Y.K. Kim, D.S. Lim, D.H. Choi, Y.D. Kim, S.C. Chae, S.H. Baek, H.S. Kim, Seoul National University, Seoul, Republic of Korea	423
24	THE BENEFITS OF ATORVASTATIN IN PATIENTS WITH ISCHEMIC STROKE N.N. Kipshidze, <b>S.D. Chumburidze</b> , N.G. Ninua, The National Center of Therapy, Tbilisi, Georgia	424

Board No.		Abstract No.
25	<p>ARE CARDIOVASCULAR RISK FACTORS DIFFERENT IN OLD WOMEN AND MEN?  <b>D. Pop</b>, D. Zdrenghea, A. Sitar –Taut, M. Cebanu, D. Colcear, University of Medicine and Pharmacy, Cluj-Napoca, Romania</p>	425
26	<p>DO TRADITIONAL CARDIOVASCULAR RISK FACTORS PREDICT EXTENT OF ANGIOGRAPHIC STENOSIS IN ELDERLY PATIENTS?  V. Veeranna, J. Pradhan, A. Niraj, <b>H. Fakhry</b>, L. Afonso, Sinai-Grace Hospital, Detroit, Michigan, USA</p>	426
27	<p>CORONARY HEART DISEASE RISK IN SCHIZOPHRENIC AND SCHIZOAFFECTIVE INPATIENTS WITH METABOLIC SYNDROME  <b>S. Kaushik</b>, A. Khan, S. Kaushik, J.P. Lindenmayer, Nathan Kline Institute, Orangeburg, NY, USA</p>	427
28	<p>RECURRENCE RATE AFTER REVASCULARIZATION IN PATIENTS WITH UNSTABLE AND STABLE CORONARY ARTERY DISEASE  <b>K.V. Korzhenevskaya</b>, I.T. Abesadze, M.Z. Alugishvili, E.V. Kuleshova, M.N. Prokudina, P.S. Kozlov, E.S. Klokova, A.V. Panov, Almasov Federal Heart, Blood and Endocrinology Centre, Saint-Petersburg, Russia</p>	428
29	<p>CONTRAST INDUCED NEPHROPATHY IN HIGH RISK PATIENTS UNDERGOING DRUG ELUTING STENT IMPLANTATION  <b>A. Varma</b>, D.L. Appleton, A. Nusca, M.J. Lipinski, E. Goudreau, M.J. Cowley, M. Wittkamp, A. Abbate, G. Vetovec, Virginia Commonwealth University, Richmond, VA, USA</p>	429
30	<p>USE OF PHYSICAL ACTIVITY AS A DEPRESSION TREATMENT IN CARDIAC PATIENTS  <b>S.L. Grace</b>, C. Tam, R.R. Reid, K. Williamson, D.E. Stewart, York University, Heslington, York, UK</p>	430
<b>POS 406</b>	<p><b>Poster Session</b>  <b>SECONDARY PREVENTION, PROGNOSIS, RISK STRATIFICATION, CARDIAC REHAB</b></p>	
31	<p>ASSOCIATION OF CAROTID INTIMA MEDIA THICKNESS WITH CARDIOVASCULAR RISK FACTORS IN ADULTS  R. Hernandez, M. Armas, D. Garcia, O. Suarez, <b>J. Moreno</b>, L. Mendoza, C. Pargas, M. Martinez, E. Macrobio, V. Perez, Centroccidental Lisandro Alvarado University, Lara, Venezuela</p>	431
32	<p>PROGNOSIS OF EARLY POST-INFARCTION ANGINA  P. Erceg, N. Despotovic, D.P. Milosevic, <b>M. Davidovic</b>, Gerontology Department, City Hospital Center, Belgrade, Serbia</p>	432
33	<p>ANTIOXIDANT MARKERS AND CARDIOVASCULAR RISK FACTORS IN AZOREAN SUBJECTS WITH CORONARY ARTERY DISEASE  <b>R. Ferin</b>, C. Gomes, A.R. Castro, D. Martins, V. Santos, M.C. Santos, P.A. Lopes, J. Baptista, A.M. Viegas-Crespo, M.L. Pavao, CIRN, University of the Azores, Ponta Delgada, Portugal</p>	433

**POS 407 Poster Session  
PRACTICE GUIDELINES, COST CONTAINMENT**

Board No.		Abstract No.
34	EFFECT OF NURSE MANAGED CLINIC ON READMISSION IN PATIENTS WITH HEART FAILURE <b>H. Farshidi</b> , M. Nikparvar, A. Karbasi, S. Salehi, Hormozgan University of Medical Sciences, Bandar Abbass, Iran	434
35	RESIDUAL RISK: IS PAYMENT FOR SERVICE ACHIEVING RISK FACTOR CONTROL IN PATIENTS WITH CHD? P.R. Gajendragadkar, K. Carver, <b>K.K. Ray</b> , University of Cambridge, Cambridge, Cambridgeshire, UK	435

**POS 408 Poster Session  
ANTITHROMBOTIC AND ANTIPLATELET ADJUNCTIVE THERAPY FOR PTCA**

36	AN INTERACTION BETWEEN STATINS AND CLOPIDOGREL "C A PHARMACOEPIDEMIOLOGY COHORT STUDY WITH TIME-DEPENDENT ANALYSIS <b>A. Blagojevic</b> , J.A.C. Delaney, N. Dendukuri, J.F. Boivin, J.M. Brophy, McGill University, Montreal, QC, Canada	436
37	SAFETY OF ENOXAPERIN VERSUS UNFRACTIONATED HEPARIN IN ELECTIVE PCI <b>M.J. ZibaeNezhad</b> , M.J. ZibaeNezhad Cardiovascular Research Center, Shiraz, Iran	437

**POS 411 Poster Session  
PHARMACOLOGIC STRESS TESTING - ECHOCARDIOGRAPHY**

38	EXERCISE ECHOCARDIOGRAPHY TO EVALUATE PHYSIOLOGICAL SIGNIFICANCE OF CORONARY ARTERY STENOSIS S. Moustafa, S. Lessard, C. Sauve, <b>R. Amyot</b> , University of Montreal, Montreal, QC, Canada	438
39	DIFFERENCES IN ECHOCARDIOGRAPHIC AND GRADED EXERCISE PARAMETERS IN PATIENTS WITH LEFT ATRIAL ABNORMALITY <b>V. Ariyarajah</b> , A. Raja, J. Fernandes, A. Khadem, I. Barac, S. Apiyasawat, D.H. Spodick, University of Manitoba, Winnipeg, MB, Canada	439
40	SEVERITY OF CORONARY STENOSIS AND ISCHEMIA DETECTED BY DOBUTAMINE STRESS ECHOCARDIOGRAPHY S. Moustafa, S. Lessard, C. Sauve, <b>R. Amyot</b> , University of Montreal, Montreal, QC, Canada	440
41	APPROPRIATENESS OF USING STRESS ECHOCARDIOGRAPHY AND OTHER STRESS MODALITIES FOR EVALUATING SUSPECTED CORONARY ISCHEMIA IN PATIENTS PRESENTING TO A TERTIARY CARE CHEST PAIN UNIT <b>E. Akhras</b> , M. Abdul-Malek, N. Salem, J. Mccord, K. Ananthasubramaniam, Henry Ford Hospital, Detroit, MI, USA	441

**MONDAY, JULY 28, 2008**

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14:00 – 18:00

Poster Hall

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Board No.

Abstract No.

42

ASSESSMENT OF RIGHT VENTRICULAR FUNCTION IN ACUTE  
COR PULMONALE BY STRAIN DOPPLER ECHOCARDIOGRAPHY

442

**A. Vitarelli**, Y. Conde, S. D'Orazio, S. Stellato, G. Continanza, L. Capotosto,  
O. Dettori, C. Terzano, La Sapienza University, Rome, Italy

**PL: 15 Plenary Session  
NEW HORIZONS IN THE MANAGEMENT OF HEART FAILURE**

Chairpersons: **R. Hobbs**, Cleveland, OH, USA  
**B.I. Jugdutt**, Alberta, AB, Canada

		Abstract No.
08:30	DIETARY AND LIFESTYLE FACTORS AND HEART FAILURE (Invited Lecture) <b>L. Djoussé</b> , J. Gaziano, Harvard Medical School and Brigham & Women's Hospital, Boston, MA, USA	443
08:45	RECENT TRENDS IN SURVIVAL, HOSPITALIZATION AND TREATMENT OF HEART FAILURE (Invited Lecture) <b>P. Heidenreich</b> , VA Palo Alto Health Care System, Palo Alto, CA, USA	444
09:00	HEALING AND REMODELING AFTER STEMI IN THE ELDERLY (Invited Lecture) <b>B.I. Jugdutt</b> , University of Alberta, Edmonton, Alberta, Canada	445
09:15	ADENOSINE RECEPTOR ANTAGONISTS IN HEART FAILURE (Invited Lecture) <b>R. Hobbs</b> , Cleveland Clinic, Cleveland, OH, USA	446
09:30	TREATMENT OF HEART FAILURE WITH A REDUCED LEFT VENTRICULAR EJECTION FRACTION (Invited Lecture) <b>W.S. Aronow</b> , New York Medical College, Valhalla, NY, USA	447
09:45	DESIGNING NON-RCT STUDIES LIKE RCT USING PROPENSITY SCORE MATCHING: EVIDENCE FOR DIURETICS, HYPOKALEMIA, AND POTASSIUM SUPPLEMENTS IN CHRONIC HEART FAILURE (Invited Lecture) <b>A. Ahmed</b> , University of Alabama, Birmingham, AL, USA	448
10:00	ONLY LARGE REDUCTIONS IN B-TYPE NATRIURETIC PEPTIDES ARE ASSOCIATED WITH IMPROVED OUTCOME IN HEART FAILURE PATIENTS (Invited Lecture) <b>W.L. Miller</b> , K.A. Hartman, A.S. Jaffe, Rochester Mayo Clinic, Rochester, MN, USA	449
10:15	RIGHT VENTRICLE – SPECIFIC THERAPIES IN PULMONARY HYPERTENSION AND HEART FAILURE (Invited Lecture) <b>E.D. Michelakis</b> , University of Alberta, Edmonton, AL, Canada	450
10:30	HEART FAILURE MANAGEMENT PROGRAMMES: WHICH INTERVENTIONS WORK? (Invited Lecture) <b>F. Gustafsson</b> , Rigshospitalet, Copenhagen, Denmark	451
10:45	NEW CARDIAC ENHANCERS FOR THE TREATMENT OF ACUTE HEART FAILURE SYNDROMES: CLINICAL ADVANTAGES AND DRAWBACKS (Invited Lecture) <b>J. Parissis</b> , Attikon University Hospital, Athens, Greece	452
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL: 16 Plenary Session  
IDENTIFICATION AND TREATMENT OF HIGH RISK ASYMPTOMATIC PATIENTS**

Chairpersons: **M. Motro**, Tel Hashomer, Israel  
**T. Tomaru**, Chiba, Japan

		Abstract No.
08:30	THE PROGNOSTIC VALUE OF CT CORONARY CALCIFICATION IN ASYMPTOMATIC INDIVIDUALS (Invited Lecture) <b>M. Motro</b> , Chaim Sheba Medical Center, Tel Hashomer, Israel	453
08:45	PREDICTION OF CORONARY ARTERY DISEASE (Invited Lecture) <b>T. Tomaru</b> , K. Shimizu, T. Kurosu, K. Nakamura, Toho University Medical Center Sakura Hospital, Sakura, Chiba, Japan	454
09:00	INCREMENTAL VALUE OF CT TO SPECT IN PATIENT MANAGEMENT (Invited Lecture) <b>J.J. Mahmarian</b> , The Methodist Hospital, Houston, TX, USA	455
09:15	SUBCLINICAL CARDIOVASCULAR DISEASE: WHAT DOES IT MEAN? (Invited Lecture) <b>M.H. Criqui</b> , University of California, San Diego, La Jolla, CA, USA	456
09:30	TISSUE CHARACTERIZATION IN RENAL ARTERIES (Invited Lecture) <b>V. Mathew</b> , Mayo Clinic, Rochester, MN, USA	457
09:45	THE LEFT ATRIUM AND ITS ROLE IN MYOCARDIAL ISCHEMIA (Invited Lecture) <b>V. Ariyarajah</b> , University of Manitoba, Winnipeg, MB, Canada	458
10:00	ATHEROSCLEROTIC CALCIFICATION – THE CARDIOVASCULAR EPIDEMIOLOGY OF WHOLE BODY SCANNING (Invited Lecture) <b>M. Allison</b> , University of California San Diego, CA, USA	459
10:15	NUCLEAR STRESS TESTING IN WOMEN: MORE THAN JUST MYOCARDIAL PERFUSION? (Invited Lecture) <b>J.W. Askew</b> , Mayo Clinic, Rochester, MN, USA	460
10:30	SENSITIVITY, SPECIFICITY, POSITIVE PREDICTIVE VALUE, AND NEGATIVE PREDICTIVE VALUE OF 64-CHANNEL MULTISLICE CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY IN PREDICTING OBSTRUCTIVE CORONARY ARTERY DISEASE DIAGNOSED BY CORONARY ANGIOGRAPHY IN PATIENTS WITH SUSPECTED CORONARY ARTERY DISEASE (Invited Lecture) <b>H.M. Lai</b> , W.S. Aronow, G. Ravipati, J. Shao, A.J. DeLuca, M.B. Weiss, A.L. Pucillo, K. Kalapatapu, C.E. Monsen, R.N. Belkin, New York Medical College, Valhalla, NY, USA	461
10:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

08:30 – 11:00		Hall C
<b>S34</b>	<b>Session</b> <b>VALVULAR HEART DISEASE / HEART VALVE SURGERY</b>	
	Chairperson: <b>M.E. Fawzy</b> , Riyadh, Saudi Arabia	
		Abstract No.
08:30	20 YEARS FOLLOW-UP RESULTS OF PULMONARY BALLOON VALVULOPLASTY IN ADULTS AND THE FATE OF CONCOMITANT INFUNDIBULAR STENOSIS AND TRICUSPID REGURGITATION <b>M.E. Fawzy</b> , A. Badr, S. El Amraoui, O. Nowayhed, I. Ibrahim, S. Shah, C. Canver, King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia	462
08:45	LOW BODY MASS INDEX AND BODY SURFACE AREA ARE INDEPENDENTLY ASSOCIATED WITH AORTIC REGURGITATION <b>M.R. Movahed</b> , C. Manrique, A. Martinez, R. Ebrahimi, Southern Arizona VA Health Care System, Tucson, AZ, USA	463
09:00	COMPARISON BETWEEN IN VIVO SEEDING AND IN SITU CELL ATTRACTION FOR THE RECELLULARISATION OF HEART VALVE BIOPROSTHESES <b>G. De Visscher</b> , W. Flameng, Katholieke Universiteit Leuven, Belgium	464
09:15	MATRIX STIFFNESS DIRECTS OSTEOGENIC AND MYOFIBROGENIC DIFFERENTIATION OF VALVE FIBROBLASTS C.Y.Y. Yip, <b>C.A. Simmons</b> , University of Toronto, Toronto, ON, Canada	465
09:30	INCREASED CARDIAC TROPONIN I LEVELS IN INFECTIVE ENDOCARDITIS IS ASSOCIATED WITH INCREASED IN-HOSPITAL MORTALITY AND VALVE REPLACEMENT <b>P. Tsenovoy</b> , W.S. Aronow, J. Joseph, M.S. Kopacz New York Medical College, Valhalla, NY USA	466
09:45	TRANSCATHETER AORTIC VALVE IMPLANTATION – IN GOOD HANDS WITH CARDIAC SURGEONS <b>S. Bleiziffer</b> , H. Ruge, D. Mazzitelli, C. Schreiber, A. Hutter, J.C. Laborde, R. Bauernschmitt, R. Lange, German Heart Center Munich, Munich, Germany	467
10:00	IMPACT OF ROSUVASTATIN ON THE PROGRESSION OF AORTIC STENOSIS CAUSED BY HYPERTENSION G. Giunta, E. Guevara, <b>G. Yannarelli</b> , L. Gomez Rosso, L. Marziali, F. Brites, R.R. Favalaro, L.A. Cuniberti, Favalaro University, Buenos Aires, Argentina	468
10:15	REDO VERSUS FIRST BALLOON MITRAL VALVOTOMY FOR RHEUMATIC MITRAL STENOSIS <b>O.A Rifaie</b> , M.I. Ohamad, M.M. Helmi, M.M. Elbiali, Ain Shams University, Cairo, Egypt	469
10:30	INFLAMMATION/REMODELING MARKERS AND MULTISLICE CT/IMMUNOHISTOCHEMISTRY IN AORTIC VALVE DISEASE <b>A. Mazzone</b> , A. Vianello, G. Palladini, S. Cappelli, S. Perlini, A. Pompella, D. Chiappino, S. Berti, M. Glauber, P. Tanganelli, Heart Hospital, Massa, Italy	470
10:45	WHY DO AORTIC VALVES FAIL? A NEW THEORY TO EXPLAIN DEGENERATIVE AORTIC VALVE DISEASE <b>F. Robicsek</b> , R.F. Padera, A.A. Fokin, M.J. Thubrikar, J. Madjarov, Carolinas Medical Center, Charlotte, NC, USA	471
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL: 17 Plenary Session  
PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL  
HEART DISEASE / MECHANICAL CIRCULATORY SUPPORT**

Chairpersons: **L. Benson**, Toronto, ON, Canada  
**G.L. Rosenthal**, Cleveland, OH, USA

Abstract No.

11:15	QUALITY IMPROVEMENT IN PEDIATRIC CARDIOLOGY: AN OVERVIEW OF NATIONAL INITIATIVES (Invited Lecture) <b>G.L. Rosenthal</b> , Cleveland Clinic Foundation, Cleveland, OH, USA	472
11:30	CATHETER-BASED COMPLETION OF THE FONTAN: A NON-SURGICAL APPROACH (Invited Lecture) <b>L.N. Benson</b> , M.C. Crystal, S.J. Yoo, G. VanArsdell, H. Mikailian, The Hospital for Sick Children, Toronto, ON, Canada	473
11:45	PERCUTANEOUS PFO CLOSURE FOR CRYPTOGENIC STROKE AND MIGRAINES, THE SIMPLE WAY (Invited Lecture) <b>A. Manolis</b> , Patras University, Athens, Greece	474
12:00	UPDATE ON PEDIATRIC MECHANICAL CIRCULATORY SUPPORT (Invited Lecture) <b>B.W. Duncan</b> , Cleveland Clinic, Cleveland, OH, USA	475
12:15	PERMANENT MECHANICAL CIRCULATORY SUPPORT: IMPROVED TECHNOLOGY AND OUTCOMES (Invited Lecture) <b>M. Slaughter</b> , Advocate Christ Medical Center, Oak Lawn, IL, USA	476
12:30	MANAGEMENT OF AORTIC DILATION IN CONGENITAL HEART DISEASE (Invited Lecture) <b>A.T. Yetman</b> , Primary Children's Medical Center, Salt Lake City, UT, USA	477
12:45	SUDDEN DEATH IN THE ADULT WITH CONGENITAL HEART DISEASE (Invited Lecture) <b>L. Harris</b> , University Health Network, Toronto, ON, Canada	478
13:00	CONGENITAL INTERVENTION DECISION MAKING (Invited Lecture) <b>E.M. Horlick</b> , Toronto General Hospital, Toronto, ON, Canada	479
13:15	LONG-TERM OUTCOME (UP TO 22 YEARS) OF BALLOON ANGIOPLASTY OF DISCRETE NATIVE COARCTATION OF THE AORTA IN CHILDREN AND ADULTS (Invited Lecture) <b>M.E. Fawzy</b> , H. Sergani, F. El Shaer, A. Osman, A. Badr, C. Canver, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia	480
13:30	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**PL: 18 Plenary Session  
ISCHEMIC HEART DISEASE / RISK ASSESSMENT / NEW TREATMENT STRATEGIES**

Chairpersons: **P.A. McCullough**, Royal Oak, MI, USA  
**U. Thadani**, Oklahoma City, OK, USA

Abstract No.

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| 11:15 | UPDATE ON STABLE ANGINA WITH SPECIAL EMPHASIS ON MANAGEMENT OF NO OPTION (REFRACTORY) ANGINA (Invited Lecture)<br><b>U. Thadani</b> , University of Oklahoma, VA Medical Center, Oklahoma City, OK, USA  | 481 |
| 11:30 | NEW INSIGHTS ON ACCELERATED VASCULAR CALCIFICATION IN PATIENTS WITH KIDNEY DISEASE (Invited Lecture)<br><b>P.A. McCullough</b> , William Beaumont Hospital, Royal Oak, MI, USA   | 482 |
| 11:45 | REVASCUARIZATION VS SECONDARY PREVENTION: WHAT TO DO WHEN TWO WORLDS COLLIDE (Invited Lecture)<br><b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA   | 483 |
| 12:00 | INFLUENZA VACCINATION: THE NEGLECTED COMPONENT OF THE CARDIOVASCULAR PREVENTION GUIDELINES (Invited Lecture)<br><b>M. Madjid</b> , S.W. Casscells, Texas Heart Institute, Houston, TX, USA   | 484 |
| 12:15 | COLCHICINE FOR PERICARDITIS: HYPE OR HOPE? (Invited Lecture)<br><b>M. Imazio</b> , R. Trincherò, Maria Vittoria Hospital, Torino, Italy  | 485 |
| 12:30 | CLINICAL FEATURES AND IN-HOSPITAL OUTCOMES OF ACUTE CORONARY SYNDROME IN PATIENTS WITH UNDERLYING CONNECTIVE TISSUE DISORDERS<br><b>S. Arora</b> , V.A. Doraiswamy, C. Thatikonda, P. Kleist, V. Srinivasan, Western Pennsylvania Hospital/Temple University Program, Pittsburgh, PA, USA  | 486 |
| 12:45 | THE USE OF FIBRATES REDUCES THE RISK OF NON-FATAL MYOCARDIAL INFARCTION BUT DOES NOT AFFECT MORTALITY OR OTHER ADVERSE CARDIOVASCULAR OUTCOMES IN PATIENTS WITH TYPE 2 DIABETES MELLITUS- A POOLED META-ANALYSIS<br><b>S.A Saha</b> , R.R. Arora, Sacred Heart Medical Center, Spokane, WA, USA  | 487 |
| 13:00 | DECREASING KIDNEY FUNCTION PREDICTS VASCULAR EVENTS INDEPENDENTLY FROM THE GLOMERULAR FILTRATION RATE AT BASELINE: A PROSPECTIVE COHORT STUDY ON MEN UNDERGOING CORONARY ANGIOGRAPHY FOR THE EVALUATION OF CORONARY ARTERY DISEASE<br>P. Rein, <b>C.H. Saely</b> , L. Risch, A. Vonbank, S. Aczel, S. Beer, U. Neyer, H. Drexel, VIVIT Institute, Feldkirch, Austria | 488 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

**S35**

**Session**

**NEW DIAGNOSTIC METHODS AND IMAGING TECHNIQUES**

Chairperson: **Y. Charuzi**, Los Angeles, CA, USA

Abstract No.

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|-------|--|-----|
| 11:15 | A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER STUDY OF THE SAFETY AND EFFICACY OF ADVEGF121 BIOBYPASS GENE THERAPY IN PATIENTS WITH REFRACTORY ADVANCED CORONARY ARTERY DISEASE: THE NOVA TRIAL<br><b>J. Kastrup</b> , E. Jjorgensen, S. Fuchs, S. Nikol, H.E. Boetker, F. Baldazzi, R. Kornowski, Copenhagen University Hospital, Copenhagen, Denmark | 489 |
| 11:30 | TYPE 2 DIABETES SIGNIFICANTLY MODULATES THE CARDIOVASCULAR RISK CONFERRED BY THE PAI -1 -675 5G/4G POLYMORPHISM<br><b>C.H. Saely</b> , A. Muendlein, A. Vonbank, G. Sonderegger, S. Aczel, P. Rein, L. Risch, H. Drexel, VIVIT Institute, Feldkirch, Austria   | 490 |
| 11:45 | RIGHT VENTRICULAR DYSFUNCTION IS COMMON AMONG NONELITE MARATHON RUNNERS AND IS ASSOCIATED WITH TROPONIN ELEVATION - A CARDIAC MAGNETIC RESONANCE STUDY<br><b>R. Attaran</b> , B. Boudi, V.S. Sorrell, University of Arizona, Tucson, AZ, USA   | 491 |
| 12:00 | SCREENING FOR DEEP VEIN THROMBOSIS IN ASYMPTOMATIC HIGH RISK PATIENTS: A COMPARISON BETWEEN DIGITAL PHOTOPLETHYSMOGRAPHY AND VENOUS ULTRASONOGRAPHY<br>B. Sharif-Kashani, N. Behzadnia, <b>P. Shahabi</b> , M. Sadr, Shaheed Beheshti University of Medical Sciences & Health Services, Tehran, Iran   | 492 |
| 12:15 | DETERMINANTS OF ACCURACY AND REPRODUCIBILITY OF LEFT VENTRICULAR FUNCTION ASSESSMENT BY REAL-TIME THREE-DIMENSIONAL ECHOCARDIOGRAPHY<br><b>O.I.I. Soliman</b> , S.W. Kirschbaum, B.M. van dalen, W.B. Vletter, M.L. Geleijnse, F.J. Ten Cate, Erasmus University, Rotterdam, The Netherlands   | 493 |
| 12:30 | THE IMPACT OF LEFT VENTRICULAR GEOMETRY ON MORTALITY – THE OCHSNER EXPERIENCE<br><b>S.M. Artham</b> , C.J. Lavie, R.V. Milani, D.K. Patel, H.O. Ventura, Ochsner Medical Center, New Orleans, LA, USA  | 494 |
| 12:45 | RIGHT VENTRICULAR REMODELING: FOLLOW UP WITH 3D ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE<br><b>I.A. Grapsa</b> , D. Dawson, D. O'Regan, G. Duringhel, H. Pavlopoulos, J. Hajnal, P. Nihoyannopoulos, Imperial College of London, London, UK   | 495 |
| 13:00 | ROLE OF M-MODE IN DIAGNOSING ATRIAL SEPTAL ANEURYSM (ASA): A CONVENTIONAL TECHNIQUE WITH A NOVEL APPLICATION<br><b>R. Garg</b> , A. Khaja, L. Tejwani, K. Aggarwal, University of Missouri-Columbia, Columbia, MO, USA   | 496 |

**TUESDAY, JULY 29, 2008**

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11:15 -14:15

S35 (cont.)

Hall C

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		Abstract No.
13:15	TISSUE DOPPLER ECHOCARDIOGRAPHY IN PERSONS WITH HYPERTENSION, DIABETES, OR ISCHEMIC HEART DISEASE R. Mogelvang, P. Sogaard, S.A. Pedersen, <b>N.T. Olsen</b> , P. Schnohr, J.S. Jensen, University of Copenhagen, Hellerup, Denmark	497
13:30	SENSITIVITY, SPECIFICITY, POSITIVE PREDICTIVE VALUE, AND NEGATIVE PREDICTIVE VALUE OF STRESS TESTING VERSUS 64-CHANNEL MULTISLICE CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY IN PREDICTING OBSTRUCTIVE CORONARY ARTERY DISEASE DIAGNOSED BY CORONARY ANGIOGRAPHY <b>H.M. Lai</b> , W.S. Aronow, G. Ravipati, J. Shao, A.J. DeLuca, M.B. Weiss, A.L. Pucillo, K. Kalapatapu, C.E. Monsen, R.N. Belkin, New York Medical College, Valhalla, NY, USA	498
13:45	NORMAL RANGE OF MECHANICAL VARIABLES IN PULMONARY HYPERTENSION <b>A. Lopez-Candales</b> , N. Rajagopalan, K. Dohi, K. Edelman, B. Gulyasy, R. Bazaz, University of Pittsburgh, Pittsburgh, PA, USA	499
14:00	CAN WE REDEFINE THE GOLD STANDARD FOR LEFT ATRIAL APPENDAGE THROMBUS? <b>A. Simmons</b> , T. Rosamond, J. Nath, M. Biria, L. Wetzel, D. Lakkireddy, University of Kansas, Kansas City, KS, USA	500

**POS 501**      **Poster Session**  
**COMPUTED TOMOGRAPHY / MAGNETIC RESONANCE: CLINICAL**

Board No.		Abstract No.
1	<p>CARDIAC MRI: HOW MUCH MYOCARDIAL DAMAGE IS NECESSARY TO DETECT FOCAL LATE GADOLINIUM ENHANCEMENT?  <b>F. Breuckmann</b>, K. Nassenstein, T. Konorza, C. Naber, G. Kaiser, I. Konietzka, G. Heusch, J. Barkhausen, R. Erbel, University Duisburg-Essen, Essen, Germany</p>	501
2	<p>FEASIBILITY AND SAFETY OF INTRAVENOUS ADMINISTRATION OF LANDIOLOL HYDROCHLORIDE IN MULTISLICE COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY  <b>S. Isobi</b>, K. Sato, K. Sugiura, T. Mimura, M. Kobayaghi, C. Meno, M. Kato, H. Ishii, T. Murohara, Kami-iida Daiichi General Hospital, Nagoya, Japan</p>	502
3	<p>64-SLICE CARDIAC CTA IN THE DIAGNOSIS OF LEFT ATRIAL APPENDAGE THROMBUS: COMPARISON TO TRANSESOPHAGEAL ECHOCARDIOGRAPHY  A. Simmons, T. Rosamond, J. Nath, D. Lakkireddy, L. Wetzel, <b>J. Vacek</b>, R. Pimentel, M. Emert, L. Berenbom, M. Biria, University of Kansas, Kansas City, KS, USA</p>	503
4	<p>ROLE OF CORONARY CT ANGIOGRAPHY IN STAGE 3 CHRONIC KIDNEY DISEASE – RETROSPECTIVE ANALYSIS  <b>A.A. Mohammed</b>, W. Ananthapanyasut, A. Syed, T. Harindhanavudhi, M. Hamarshi, B. Alhariri, T. Takale, E. Lerma, T. Levin, University of Illinois, Chicago, IL, USA</p>	504
5	<p>PATIENTS WITH ECHOCARDIOGRAPHIC AORTIC VALVE CALCIUM OR MITRAL ANNULAR CALCIUM HAVE AN INCREASED PREVALENCE OF MODERATE OR SEVERE CORONARY ARTERY CALCIUM DIAGNOSED BY CARDIAC COMPUTED TOMOGRAPHY  <b>H.M. Lai</b>, W.S. Aronow, S. Kaplan, H. Dilmanian, A.J. DeLuca, M.B. Weiss, R.N. Belkin, New York Medical College, Valhalla, NY, USA</p>	505
6	<p>INCIDENTIAL NONCARDIAC FINDINGS USING CARDIAC MULTIDETECTOR COMPUTED TOMOGRAPHY  K. Dajani, <b>P. Ezidinma</b>, Loyola University Medical Center, Maywood, IL, USA</p>	506
7	<p>PREVALENCE OF INCIDENTAL NONCARDIAC FINDINGS DIAGNOSED BY COMPUTER TOMOGRAPHY IN 875 CONSECUTIVE PATIENTS IN AN OUTPATIENT CARDIAC COMPUTER TOMOGRAPHY FACILITY  A. Cronin, W.S. Aronow, <b>S.M. Devabhakturi</b>, A. Asija, R. Varma, A.J. DeLuca, E.H. Summers, M.R. Poplausky, P.H. Kim, R.N. Belkin, New York Medical College, Valhalla, NY, USA</p>	507
8	<p>ROLE OF CORONARY CT ANGIOGRAM IN EVALUATING CORONARY ARTERY DISEASE IN A COMMUNITY HOSPITAL – A RETROSPECTIVE ANALYSIS  A. Mohammed, <b>A. Ariyachaipanich</b>, A. Syed, W. Ananthapanyasut, T. Harindhanavudhi, M. Hamarshi, B. Alhariri, T. Takale, T. Levin, University of Illinois, Chicago, IL, USA</p>	508

Board No.		Abstract No.
9	PRE-PULSELESS TAKAYASU'S ARTERITIS EVALUATED WITH POSITRON EMISSION TOMOGRAPHY & MAGNETIC RESONANCE R. Calleja, A. Martinez, <b>P.A. Lamothe</b> , A. Meave, M.E. Soto, P. Reyes, E. Alexanderson, Universidad Nacional Autonoma de Mexico, Ciudad de Mexico , Mexico	509
<b>POS 502 Poster Session DRUG THERAPY IN HEART FAILURE: BASIC AND CLINICAL</b>		
10	T-TYPE CALCIUM CHANNEL ANTAGONISTS ATTENUATED ALDOSTERONE-INDUCED IL-18 EXPRESSIONS IN RAT CARDIOMYOCYTES <b>T. Doi</b> , T. Sakoda, T. Akagami, T. Naka, T. Tsujino, T. Masuyama, M. Ohyanagi, Hyogo College of Medicine, Nishinomiya, Japan	510
11	TOLERANCE OF LEVOSIMENDAN SUPPLEMENTAL THERAPY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION COMPLICATED BY CARDIOGENIC SHOCK E. Tsagalou, F. Katsaros, J. Kanakakis, A. Ntalianis, G. Maroulidis, J. Venetsanakos, N. Lazaris, <b>K. Malliaras</b> , E. Kaldara, M. Anastasiou-Nana, University of Athens, Athens, Greece	511
<b>POS 503 Poster Session GENETIC DETERMINANTS OF CORONARY HEART DISEASE / CARDIOMYOPATHIES</b>		
12	ASSOCIATION BETWEEN THE SEVERITY OF ANGIOGRAPHIC CORONARY ARTERY DISEASE AND PARAOXONASE-1 PROMOTER GENE POLYMORPHISM T(-107)C IN IRANIAN POPULATION <b>E. Javadi</b> , A. Jalilian, E.B. DJavadi, M. Doosti, P. Amiri, A. Mohaghegh, B. Shariati, Tehran University of Medical Sciences, Tehran, Iran	512
13	THE ASSOCIATION BETWEEN CIGARETTE SMOKING AND CAROTID INTIMA-MEDIA THICKNESS IS INFLUENCED BY THE -930A/G CYBA GENE POLYMORPHISM: THE CARDIOVASCULAR RISK IN YOUNG FINNS STUDY <b>M. Fan</b> , O. Raitakari, M. Kahonen, M. Juonala, N. Hutri-Kahonen, I. Porsti, J. Viikari, T. Lehtimaki, Tampere University Hospital, Tampere, Finland	513
14	THE ASSOCIATION OF ATRIAL TACHYARRHYTHMIAS WITH ISOLATED ATRIAL AMYLOID DISEASE: PRELIMINARY OBSERVATIONS IN AUTOPSIED HEART SPECIMENS <b>V. Ariyarajah</b> , I. Steiner, P. Hajkova, A. Khadem, J. Kvasnicka, S. Apiyasawat, D.H. Spodick, University of Manitoba, Winnipeg, MB, Canada	514
15	ASSESSMENT OF CARDIOVASCULAR DISEASE GENETIC RISK FACTORS IN SAO MIGUEL ISLAND POPULATION (AZORES) <b>C.C. Branco</b> , T. Pereirinha, P.R. Pacheco, R. Cabral, L. Mota-Vieira, Hospital of Divino Espirito Santo of Ponta Delgada, EPE, Azores, Portugal	515

Board No.		Abstract No.
16	<p>PLASMA HOMOCYSTEINE LEVEL AND ITS GENOTYPES AS A RISK FACTOR FOR CORONARY ARTERY DISEASE IN PATIENTS UNDERGOING CORONARY ANGIOGRAPHY                      B. Naghshtabrizi, <b>F. Shakerian Ghahferokhi</b>, M. Hajilui, F. Emami, M. Moaddab, Hamedan University of Medical Sciences, Hamedan, Iran</p>	516
17	<p>GENETIC STRAIN DIFFERENCES IN PLATELET AGGREGATION AND THROMBUS FORMATION OF LABORATORY RATS                      T. Sudo, <b>H. Hayashi</b>, H. Ito, Y. Nagamura, K. Toga, Y. Yamada, Otsuka Pharmaceutical Co Ltd, Tokushima, Japan</p>	517
18	<p>INFLUENCE OF 677 CT POLYMORPHISM OF METHYLENTETRAHYDROFOLATE REDUCTASE ON MEDIUM-TERM PROGNOSIS AFTER ACUTE CORONARY SYNDROMES  <b>J.M. Garcia-Pinilla</b>, F. Cabrera-Bueno, J. Caballero-Borrego, J. Fernandez-Pastor, M. Jimenez-Navarro, J.J. Gomez-Doblas, A. Reyes-Engel, S. Espinosa-Caliani, E. De Teresa-Galvan, Hospital Universitario Virgen De La Victoria, Malaga, Spain</p>	518
19	<p>ACTIVATION OF PPAR-ALPHA AND PPAR-GAMMA INDUCES ANGIOGENESIS IN VIVO THROUGH A VEGF-DEPENDENT MECHANISM  <b>R. Pola</b>, F. Biscetti, E. Gaetani, A. Flex, T. Aprahamian, R.C. Smith, J.J. Castellot, Tufts University, Boston, MA, USA</p>	519

**POS 504      Poster Session  
 GENE TRANSFER AND THERAPY**

20	<p>GENE THERAPY WITH A REPLICATION DEFECTIVE ADENOVIRAL VECTOR TRANSDUCING WT LQT1 INHIBITED LONG QT SYNDROME  <b>J. Giannios</b>, N. Kolliopoulos, E. Michailakis, N. Alexandropoulos, Erasimio Hospital, Athens, Greece</p>	520
21	<p>CIRCUMVENTION OF IDIOPATHIC ATRIAL FIBRILLATION WITH WT GJA5 PLASMID NANOCOMPLEXES OF POLYETHYLENIMINE COVALENTLY LINKED TO CHOL AND POLYETHYLENEGLYCOL  <b>J. Giannios</b>, N. Kolliopoulos, N. Alexandropoulos, E. Seraj, A. Kanellopoulos, Erasimio Hospital, Athens, Greece</p>	521

**POS 505      Poster Session  
 DRUG THERAPY IN ISCHEMIC HEART DISEASE**

22	<p>LONG TERM IMPACT OF ANTIANGINAL TREATMENT ON 6 MONTH ALL CAUSE MORTALITY AFTER MYOCARDIAL INFARCTION  <b>S. Iyengar</b>, G. Rosano, St. John's Medical College Hospital, Bangalore, Karnataka, India</p>	522
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Board No.		Abstract No.
30	<p>ORAL ASCORBIC ACID IS EFFECTIVE IN THE PREVENTION OF ATRIAL FIBRILLATION AFTER CORONARY ARTERY BYPASS GRAFTING</p> <p><b>M. Mousavi</b>, M. Eslami, R. Sattarzadehbadkoobeh, M. Salehi, H. Radmehr, Tehran University of Medical Sciences, Tehran, Iran</p>	530
31	<p>NEW ONSET ATRIAL FIBRILLATION DEVELOPING IN MEDICAL INPATIENTS</p> <p><b>S.X. Chen</b>, K.A. Amir, R.K. Bobba, E.L. Arsuru, Richmond University Medical Center, Staten Island, New York, NY, USA</p>	531
32	<p>EFFECTS OF TWO REPOLARIZATION CURRENTS ON HYSTERESIS IN ELECTRICAL RESTITUTION</p> <p><b>A.A. Agarwal</b>, A.R. Abhijit Patwardhan, University of Kentucky, Lexington, KY, USA</p>	532
33	<p>THE STATIC AND DYNAMIC QT/RR COUPLING AND QT PARAMETERS</p> <p><b>J. Halamek</b>, P. Jurak, M. Villa, P. Frana, M. Novak, J. Lipoldova, P. Leinveber, V. Vondra, V.K. Somers, T. Kara, Institute of Scientific Instruments, Brno, Czech Republic</p>	533
34	<p>PREVALENCE OF INAPPROPRIATE USE OF DIGOXIN IN 136 PATIENTS ON DIGOXIN AND PREVALENCE OF USE OF WARFARIN OR ASPIRIN IN 89 PATIENTS WITH PERSISTENT OR PAROXYSMAL ATRIAL FIBRILLATION</p> <p><b>P. Lleva</b>, W.S. Aronow, A.H. Gutwein, New York Medical College, Valhalla, NY, USA</p>	534
35	<p>USEFULNESS OF LOOP-TYPE EVENT RECORDER FOR EVALUATION OF CARDIAC CONDITIONS</p> <p><b>E. Tomaru</b>, J. Suzuki, T. Tomaru, Shimane Medical College, Izumo, Shimane, Japan</p>	535

**POS 508 Poster Session  
PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL  
HEART DISEASE / II**

Board No.		Abstract No.
36	<p>REDUCED REGIONAL RIGHT VENTRICULAR WALL MOTION AFTER TRANSVENTRICULAR REPAIR OF TETRALOGY OF FALLOT <b>S. Takabayashi</b>, H. Shimpo, K. Yokoyama, Y. Sawada, K. Hirano, T. Komada, K. Onoda, T. Shimono, Y. Mitani, Y. Komada, Mie University, Tsu, Mie, Japan</p>	536
37	<p>22 YEARS FOLLOW-UP RESULTS OF BALLOON ANGIOPLASTY FOR DISCREET NATIVE COARCTATION OF THE AORTA IN ADOLESCENTS AND ADULTS <b>M.E. Fawzy</b>, A. Fathala, A. Osman, A. Badr, M.A. Mostafa, G.H. Mohamed, B. Dunn, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia</p>	537
38	<p>SURGICAL TREATMENT OF CONGENITAL TRICUSPID VALVE LESIONS: EARLY AND MID-TERM RESULTS L.A. Bockeria, B.N. Sabirov, I.E. Chernogrivov, A.M. Nosachev, A.E. Chernogrivov, M.J. Matkarimov, <b>S.B. Zaets</b>, Bakoulev Center for Cardiovascular Surgery, Moscow, Russia</p>	538
39	<p>EFFECTS OF SHORTENING OPERATION TIME IN PEDIATRIC ATRIAL SEPTAL DEFECT CLOSURE THROUGH A TRANSXIPHOID APPROACH <b>S. Takabayashi</b>, H. Shimpo, K. Yokoyama, Y. Mitani, Y. Komada, Mie University, Tsu, Mie, Japan</p>	539
40	<p>MORPHOLOGICAL SPECTRUM OF CARDIOVASCULARTOXICITY IN CHILDHOOD <b>P. Francalanci</b>, R. Boldrini, R. Virgili, R. Mariani, I. Giovannoni, F. Callea, Children's Hospital Bambino Gesù, Rome, Italy</p>	540
41	<p>IN VITRO SET-UP OF MODIFIED BLALOCK TAUSSIG SHUNT: VASCULAR RESISTANCE-FLOW RELATIONSHIP <b>I. Bakir</b>, I. Van Tricht, F. Altin, P. Verdonck, B. Meyns, Siyami Ersek Thoracic and Cardiovascular Surgery Department, Istanbul, Turkey</p>	541
42	<p>EARLY AND LATE RESULTS OF TOTAL CORRECTION OF TETRALOGY OF FALLOT <b>K. Hashemzadeh</b>, M.J. Dehdilani, M.Z. Dehdilani, S. Hashemzadeh, Tabriz University of Medical Sciences, Tabriz, Iran</p>	542

**POS 509 Poster Session**  
**VALVULAR HEART DISEASE / HEART VALVE SURGERY**

Board No.		Abstract No.
45	CHARACTERIZATION OF MITRAL VALVE DISEASE IN PATIENTS WITH PAGET'S DISEASE <b>K.P. Sloan</b> , G. Kumar, R.D. Tiegs, K.W. Klarich, Mayo Clinic, Rochester, MN, USA	545
46	SURGICAL MANAGEMENT OF SINUS OF VALSALVA ANEURYSMS S. Moustafa, L. Cooper, G. Adam, <b>F. Mookadam</b> , Mayo Clinic, Scottsdale, AZ, USA	546
47	THE IMPACT OF PATIENT-PROSTHESIS MISMATCH ON LATE OUTCOMES AFTER MITRAL VALVE B.K. Lam, <b>V. Chan</b> , M. Ruel, P. Hendry, R. Masters, P. Bedard, W. Goldstein, F. Rubens, T. Mesana University of Ottawa Heart Institute, Ottawa, ON, Canada	547
48	FATE OF PULMONARY HYPERTENSION FOLLOWING MITRAL VALVE REPLACEMENT AND THE IMPACT OF MITRAL VALVE PATIENT-PROSTHESIS MISMATCH <b>V. Chan</b> , B.K. Lam, T.G. Mesana, M. Ruel, F. Rubens, P. Hendry, University of Ottawa Heart Institute, Ottawa, ON, Canada	548
49	METALLIC COMMISSUROTOME IN PATIENTS WITH MITRAL RESTENOSIS FOLLOWING BALLOON OR PREVIOUS SURGICAL COMMISSUROTOMY <b>B. Saejueng</b> , S. Tansuphaswadikul, K. Hengrussamee, W. Kehasukcharoen, T. Chantadansuwan, J. Assavahanrit, A. Kanoksin, Chest Diseases Institute, Nonthaburi, Thailand	549
50	EVALUATION OF LEFT VENTRICULAR FUNCTION WITH TDI IN PATIENTS WITH CALCIFIED MILD TO MODERATE AORTIC VALVE STENOSIS <b>G.D. Spyromitros</b> , J.S. Papadopoylos, J.P. Tsoynos, General Hospital of Katerini, Katerini, Greece	550
51	STRAIN DOPPLER ECHOCARDIOGRAPHY IN THE ASSESSMENT OF EARLY DECOMPENSATION IN CHRONIC MITRAL REGURGITATION <b>A. Vitarelli</b> , La Sapienza University, Rome, Italy	551

**POS 510      Poster Session  
SURGERY FOR LV DYSFUNCTION, CARDIAC TRANSPLANTATION**

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52	<p>EVEROLIMUS PREVENTS THE DEVELOPMENT OF MICROVASCULOPATHY AFTER HEART TRANSPLANTATION  <b>E. Osto</b>, F. Tona, C. Castellani, G. Tarantini, A. Bortolami, M. Napodano, A.L.P. Caforio, G. Gerosa, S. Iliceto, A. Angelini, University of Padova, Padova, Italy</p>	552
53	<p>IMPAIRED CORONARY FLOW RESERVE IN HEART TRANSPLANT PATIENTS WITH NORMAL CORONARY ANGIOGRAMS: PREDICTIVE ROLE OF INTERSTITIAL FIBROSIS AND MEDIAL THICKENING OF INTRAMYOCARDIAL CORONARY ARTERIES  <b>E. Osto</b>, F. Tona, C. Castellani, M. Napodano, A. Bortolami, G. Tarantini, A.L.P. Caforio, G. Gerosa, A. Angelini, S. Iliceto, University of Padova, Padova, Italy</p>	553
54	<p>CORONARY FLOW RESERVE BY CONTRAST-ENHANCED TRANSTHORACIC ECHOCARDIOGRAPHY PREDICTS CARDIAC ALLOGRAFT VASCULOPATHY ONSET IN HEART TRANSPLANT PATIENTS WITH NORMAL CORONARY ANGIOGRAM  <b>E.Osto</b>, F. Tona, M. Napodano, A. Vinci, A. Bortolami, G. Tarantini, A.L.P. Caforio, R. Montisci, G. Gerosa, S. Iliceto, University of Padova, Padova, Italy</p>	554
55	<p>CORONARY FLOW RESERVE BY CONTRAST-ENHANCED TRANSTHORACIC ECHOCARDIOGRAPHY PREDICTS MAXIMAL EPICARDIAL INTIMAL THICKENING IN TRANSPLANT CORONARY ARTERY DISEASE  <b>E. Osto</b>, F. Tona, G. Tarantini, M. Napodano, A.L.P. Caforio, A. Bortolami, A. Ramondo, G. Torregrossa, G. Gerosa, S. Iliceto, University of Padova, Padova, Italy</p>	555

**POS 601      Poster Session  
INTERVENTIONAL CARDIOLOGY**

56	<p>CAROTID ANGIOPLASTY AND STENTING IN OCTOGENARIANS. IS IT SAFE?  <b>M. Henry</b>, A. Polydorou, I. Henry, A.D. Polydorou, M. Hugel, Cabinet de Cardiologie, Nancy, France</p>	556
57	<p>FREQUENCY OF STENT FRACTURE AS A CAUSE OF CORONARY RESTENOSIS AFTER SIROLIMUS-ELUTING STENT IMPLANTATION  <b>J.S. Park</b>, D.G. Shin, Y.J. Kim, G.R. Hong, W. Kim, B.S. Shim, Yeungnam University Hospital, Daegu, Korea</p>	557
58	<p>LATE OUTCOMES AFTER DRUG-ELUTING STENT IMPLANTATION IN "REAL-WORLD" CLINICAL PRACTICE  K.A. Ramsdale, A. Rao, O. Asghar, E. McKay, <b>D.R. Ramsdale</b>, The Cardiothoracic Centre, Liverpool, UK</p>	558

**08:30 - 12:00**

**Poster Hall**

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59	LATE OUTCOMES IN PATIENTS WITH ACUTE CORONARY SYNDROMES TREATED BY DRUG-ELUTING STENT IMPLANTATION IN "REAL-WORLD" CLINICAL PRACTICE K.A. Ramsdale, A. Rao, O. Asghar, <b>D.R. Ramsdale</b> , The Cardiothoracic Centre, Liverpool, UK	559
	MORTALITY OF BARE METAL STENT (BMS) VS DRUG ELUTED STENT (DES) IMPLANTATION FOR SAPHENOUS VEIN GRAFT (SVG) STENOSIS <b>T.S. Dhanjal</b> , City Hospital, Birmingham, UK	
60	GENDER DIFFERENCES IN THE USE OF CARDIAC PROCEDURES FOLLOWING HOSPITAL ADMISSION WITH ACUTE MYOCARDIAL INFARCTION <b>V.N. Singh</b> , T. Law, K. Garner, M. Nelson, University of South Florida, Tampa, FL, USA	560
61	INCIDENCE OF TRANSRADIAL ACCESS SITE BLEEDING COMPLICATIONS; A COMPARISON OF EFFICACY BETWEEN THE RADI-STOP® AND THE TR BAND™ COMPRESSION DEVICES <b>T.S. Lo</b> , E.S. Lee, S. Krishnamoorthy, E. Fountzopoulos, A. Nadir, R. Butler, M. Gunning, J. Creamer, J. Nolan, University Hospital of North Staffordshire, Stoke-on-Trent, UK	561
62	INVESTIGATION OF WALL SHEAR STRESS DISTRIBUTION IN STENTED CORONARY ARTERY BIFURCATION <b>V. Dehlaghi</b> , S. Najarian, A. Rai, Kermanshah University of Medical Sciences, Kermanshah, Iran	562
<b>POS 602</b>	<b>Poster Session</b> <b>MYOCYTE AND RECEPTOR ABNORMALITIES IN HEART FAILURE</b>	
63	ROLE OF INTEGRIN RECEPTORS IN CARDIOMYOCYTE RESPONSE TO OXIDATIVE STRESS L. Shewchuk, M. Ulanova, <b>N. Khaper</b> , Lakehead University, Thunder Bay, ON, Canada	563
<b>POS 603</b>	<b>Poster Session</b> <b>EXERCISE PHYSIOLOGY IN HEART FAILURE</b>	
64	EFFECTS OF TREATMENT WITH G-CSF ON CARDIO RESPIRATORY FITNESS AND ECG RECORD IN EXPERIMENTAL CHAGAS' DISEASE S. Garcia, J. Vasconcelos, P. Guimaraes, C. Costa, R.S. Lima, L. Cortizo, W. Klein, <b>C.K.C. Sa</b> , R. Ribeiro dos Santos, M.B.P. Soares, CPQGM - FIOCRUZ	564

**TUESDAY, JULY 29, 2008**

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**08:30 - 12:00**

**Poster Hall**

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Board No.

Abstract No.

**POS 604**

**Poster Session  
COMPUTERS IN CARDIOLOGY**

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KYMOGRAM - A NEW TOOL FOR THE ASSESSMENT OF  
HEART VALVE PERFORMANCE  
M. Kondruweit, **T. Strecker**, T. Wittenberg, S. Friedl, M. Weyand,  
Friedrich-Alexander-University of Erlangen-Nuremberg, Erlangen, Germany

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