Scientific Program
SUNDAY, JULY 13, 2003
OC: OPENING CEREMONY

Chairperson:  J.S. Borer, New York, NY, USA

GREETINGS
Asher Kimchi, USA
Founder and Chairman
International Academy of Cardiology
3rd World Congress on Heart Disease

Jeffrey S. Borer, USA
Chairman, Scientific Executive Committee
Chairman, Section of Valvular Heart Disease
International Academy of Cardiology
3rd World Congress on Heart Disease

Naranjan S. Dhalla, Canada
Member, Scientific Executive Committee
International Academy of Cardiology
3rd World Congress on Heart Disease

John A. Elefteriades, USA
Member, Scientific Executive Committee
Chairman, Section of Cardiovascular Surgery
International Academy of Cardiology
3rd World Congress on Heart Disease

Herbert J. Geschwind, France
Member, Scientific Executive Committee
Chairman, Section of Bioethics
International Academy of Cardiology
3rd World Congress on Heart Disease

PRESENTATION OF 2003 AWARDS
Jeffrey S. Borer, USA
09:30–10:15  Columbia B

OL: OPENING LECTURE:

Chairperson:  J.S. Borer, New York, NY, USA

09:30  INTRODUCTION
   J.S. Borer, USA

09:35  HEART FAILURE AND THE NEED FOR DEVICE THERAPY  
   W.T. Abraham, The Ohio State University, Columbus, Ohio, USA

10:15  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 13, 2003

10:45 – 13:45  Columbia A

PL01:  Plenary Session
MOLECULAR CARDIOLOGY, CELL TRANSPLANTATION,
ANGIOGENESIS

Chairperson:  P.M. Buttrick, Chicago, IL, USA
N.S. Dhalla, Winnipeg, MB, Canada

10:45  UNRAVELING THE MYOCARDIAL INTERSTITIUM IN HEART FAILURE:
MECHANISMS AND PROSPECTS FOR THERAPY (Invited Lecture)  1
F.G. Spinale, Medical University of South Carolina, Charleston, SC, USA

11:00  PROTEIN KINASE C AND THE PROGRESSION OF CARDIAC DISEASE
(Invited Lecture)         2
P. Buttrick, University of Illinois at Chicago, Chicago, IL, USA

11:15  UPREGULATION OF BETA-ADRENORECEPTOR SIGNAL
TRANSDUCTION IN HEART FAILURE DUE TO VOLUME OVERLOAD
(Invited Lecture)  3
N. Dhalla, University of Manitoba, Winnipeg, MB, Canada

11:30  MODULATION OF MATRIX METALLOPROTEINASE EXPRESSION BY
CYTOKINES IN ACUTE VIRAL MYOCARDITIS (Invited Lecture)  4
M. Pauschinger, University Hospital Benjamin Franklin, Free University Berlin,
Berlin, Germany

11:45  SARCOPLASMIC RETICULUM FUNCTION IN HEART FAILURE DUE
TO VOLUME OVERLOAD (Invited Lecture)         5
T. Netticadan, St. Boniface General Hospital Research Centre, University of
Manitoba, Winnipeg, MB, Canada

12:00  AUTOLOGY BONE MARROW: RESULTS OF CLINICAL STUDY (Invited Lecture)  6
R. Waksman, Washington Cardiology Center, Washington DC, USA

12:15  SAFETY AND FEASIBILITY OF AUTOLOGOUS MYOBLAST
TRANSPLANTATION IN PATIENTS UNDERGOING CORONARY ARTERY
BYPASS SURGERY: RESULTS FROM THE UNITED STATES
EXPERIENCE (Invited Lecture)  7
N. Dib, Arizona Heart Institute, Phoenix, AZ, USA

12:30  INTRAVENOUS MESENCHYMAL STEM CELLS ATTENUATE LEFT
VENTRICULAR REMODELING IN A PORCINE MODEL OF REPERFUSED
ACUTE MYOCARDIAL INFARCTION (Invited Lecture)         8
M.J. Price, M. Franzten, S. Kar, D. McClean, S. Guo, P.K. Shah, M/Lill,
J. Forrester, B.J. Martin, R. Makkar
Cedars Sinai Medical Center, Los Angeles, CA, USA
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45</td>
<td>REAL-TIME MRI FOR THE DELIVERY AND SURVEILLANCE OF MESENCHYMAL STEM</td>
<td>R.J. Lederman, National Heart, Lung and Blood Institute, NIH Bethesda, MD, USA</td>
</tr>
<tr>
<td></td>
<td>CELLS AFTER RECENT ACUTE MYOCARDIAL INFARCTION IN SWINE (Invited</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lecture)</td>
<td></td>
</tr>
<tr>
<td>13:00</td>
<td>OPTIONS FOR NO-OPTION PATIENTS: COMPLEX INTERVENTIONS, ANGIogenesis</td>
<td>R.J. Laham, Angiogenesis Research Center, Harvard Medical School, Boston, MA, USA</td>
</tr>
<tr>
<td></td>
<td>MYOGEnESIS (Invited Lecture)</td>
<td></td>
</tr>
<tr>
<td>13:15</td>
<td>Atherosclerotic Lesion Alterations Due To The Transgenic Overexpression</td>
<td>V. Lemaitre, Y. Okada, J. D'Armiento, Columbia University, New York, NY, USA, Japan</td>
</tr>
<tr>
<td></td>
<td>Of Human Gelatinase B (MMP-9) In ApoE Knockout Mice</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Inhibition Of Activated Monocytes: Potential Role In The Anti-Thrombotic</td>
<td>P. Minuz, A. Mencarelli, A. Meneguzzi, A. Lechi, A. Morelli, P. Del Soldato, S. Fiorucci,</td>
</tr>
<tr>
<td></td>
<td>And Anti-Inflammatory Activity Of NCX-4016 (No Aspirin)</td>
<td>University of Verona, Verona, Italy, France, USA</td>
</tr>
</tbody>
</table>
PL02: Plenary Session

ACUTE CORONARY SYNDROMES, ACUTE MYOCARDIAL INFARCTION, ANTITHROMBOTIC THERAPY

Chairpersons: H.M. Hoffmeister, Solingen, Germany
J.P. Ornato, Richmond, VA, USA

10:45  USE OF AN 80-LEAD BODY MAP TO DETECT ACUTE ST-ELEVATION MYOCARDIAL INFARCTION (Invited Lecture)  13
J.P. Ornato, Virginia Commonwealth University, Richmond, VA, USA

11:00 ROLE OF P-SELECTIN ANTAGONISTS IN ACUTE MYOCARDIAL INFARCTION (Invited Lecture)  14
J-F Tanguay, Montreal Heart Institute, Montreal, Quebec, Canada

11:15 ACUTE CORONARY SYNDROMES: DIAGNOSTIC CHALLENGES AND THERAPEUTIC OPTIONS (Invited Lecture)  15
O. Abdel Aziz, Egyptian Society of Atherosclerosis, Cairo, Egypt

11:30 ANTITHROMBOTIC THERAPY FOR PATIENTS WITH HEART FAILURE: BLOCKING PLATELETS AND FIBRIN FORMATION (Invited Lecture)  16
J.H. Chesebro, Mayo Clinic Jacksonville, Jacksonville, FL, USA

11:45 MODERN DEVELOPMENTS OF THROMBOLYTIC THERAPY IN ACUTE MYOCARDIAL INFARCTION (Invited Lecture)  17
H.M. Hoffmeister, Stadthisches Klinikum Solingen, Germany

12:00 ACUTE CORONARY SYNDROMES & DUAL ORAL ANTIPLATELET THERAPY IN 2003 (Invited Lecture)  18
J.G. Canto, University of Alabama at Birmingham, AL, USA

12:15 SILENT INFARCTION AND ISCHEMIA: REVISITED IN 2003
S. Stern, Bikur Cholim Hospital, Jerusalem, Israel (Invited Lecture)

12:30 APPROACH TO PATIENTS OF ACUTE NON-ST ELEVATION MYOCARDIAL INFARCTION WITH EARLY CONSERVATIVE MANAGEMENT (Invited Lecture)  19
S-C. Lin, Lin Heart Clinic, Tainan, Taiwan

12:45 INFARCT-RELATED ARTERY OCCLUSION AND APOPTOSIS EARLY AND LATE AFTER ACUTE MYOCARDIAL INFARCTION  20

13:00 MAGNETOCARDIOGRAPHIC ALTERATIONS ASSOCIATED WITH REGIONAL MYOCARDIAL ISCHEMIA AND REPERFUSION IN SWINE  21
D. Duncker, I. Chaikovsky, E. van Deel, R. van Bremen, M. Primin, M. de Waard, P. Hugenholtz, P. Verdouw, E. McFalls, SQUID International AG, Essen, Germany, The Netherlands
10:45 – 13:30   Columbia C

S51:  Session
HYPERTROPHIC AND DILATED CARDIOMYOPATHIES

Chairperson:  C-Y. Lui, Tucson AZ, USA
              B.F. Uretsky, Galveston, TX, USA

10:45  AN AMBIVALENCE BETWEEN PREVENTED CARDIAC HYPERTROPHY
       AND CARDIAC RUPTURE AFTER MYOCARDIAL INFARCTION IN THE
       TARGETED DELETION OF ANGIOTENSIN II TYPE 2 RECEPTOR
       T. Senbonmatsu, S. Ichihara, O. Watanabe, T. Saito, E. Price, T. Inagami,
       Vanderbilt University, Nashville, TN, USA

11:00 NT-PROBNP LEVELS AMONG PATIENTS WITH B-THALASSAEMIA
       MAJOR
       E. Papasteriadis, G.P. Pavlakis, K. Bouki, K. Kostopoulos, M. Drosou,
       D. Vini, E. Konstantellou, General Hospital of Nikea, Pireaus, Greece

11:15 TRANSCRIPTIONAL ANALYSIS OF DOXORUBICIN CARDIOTOXICITY
       X. Yi, R. Bekeredinjan, R.V. Shohet, University of Texas Southwestern
       Medical Center, Dallas, TX, USA

11:30 CHRONIC HEART FAILURE WITH LEFT VENTRICULAR SYSTOLIC
       DYSFUNCTION – DIAGNOSTIC IMPORTANCE OF PLASMA
       SEMICARBAZIDE-SENSITIVE AMINE OXIDASE
       L. Menezes Falcao, F. Pinto, F. Veiga, L. Ravara, P.A. van Zwieten,
       University Hospital Santa Maria, Lisboa, Portugal, The Netherlands

11:45 CORONARY ARTERY DISEASE AND ASYMMETRIC SEPTAL
       HYPERTROPHY
       V.A. Kutznetsov, I.P. Zyrianov, G.V. Kolinin, A.G. Osiev, A.N. Serenko,
       P.I. Pavlov, D.V. Krinochkin, V.V. Todosiychuk, S.I. Akimov, I.V. Chemezova,
       Institute of Clinical & Preventive Cardiology, Tyumen, Russia

12:00 EFFECT OF TRIMETAZIDINE IN ELDERLY PATIENTS WITH ISCHEMIC
       DILATED CARDIOMYOPATHY
       G.M.C. Rosano, C. Vitale, B. Sposito, M. Fini, S. Chierchia, San Raffaele
       Roma, Roma, Italy

12:15 INFLUENCE OF INTER- PAPILLARY DISTANCE ON MITRAL
       REGURGITATION IN NORMAL AND MYOPATHIC HEARTS: IMPLICATIONS
       FOR VENTRICULAR GEOMETRY RESTORATION
       V. Vijay, B. Kolanuvada, V. Jorapur, A. Nellutla, S. Dommaraju, K. Kalpatapu,
       K. McCusker, M. Sarabu, E. Zias, New York Medical College, Valhalla, NY, USA

12:30 NATRIURETIC PEPTIDES AS PREDICTORS OF CLINICAL COURSE IN
       PATIENTS WITH END-STAGE HEART FAILURE
       E.V. Potapov, F.D. Wagner, F. Hennig, C. Mueller, R. Michael, H. Lehmkuhl,
R. Hetzer, Deutsches Herzzentrum Berlin, Germany
THE PROGNOSTIC VALUE OF THE THERAPEUTIC INTERVENTION SCORING SYSTEM IN CONGESTIVE HEART FAILURE PATIENTS

J.O. Mercado, R.E. Ramboyong, M.P. San Gabriel, E.S. Caguoia, University of Santo Tomas Hospital, Manila, Philippines

COMPARATIVE EFFECTS OF LOSARTAN VS FOSINOPRIL ON EFFECTS ON MORTALITY AND QUALITY OF LIFE IN SEVERE ISCHEMIC HEART FAILURE WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

X.H. Zeng, Y.Y. Li, X.J. Zeng, Chengdu Second People’s Hospital, Chengdu, Sichuan, China

CHRONIC HEART FAILURE WITH LEFT VENTRICULAR SYSTOLIC DYSFUNCTION – IMPORTANCE OF SOME NEUROHORMONAL FACTORS

L. Menezes Falcao, F. Pinto, F. Veiga, L. Ravara, P.A. van Zwieten, University Hospital Santa Maria, Lisboa, Portugal, The Netherlands
**SUNDAY, JULY 13, 2003**

**14:00 – 16:00**

**Columbia A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14:00</strong></td>
<td><strong>WHY THE GUIDELINES FOR BASIC CPR ARE WRONG (Invited Lecture)</strong></td>
<td>33</td>
</tr>
<tr>
<td></td>
<td><strong>G.A. Ewy</strong>, University of Arizona Sarver Heart Center, Tucson, AZ, USA</td>
<td></td>
</tr>
<tr>
<td><strong>14:15</strong></td>
<td><strong>SUDDEN CARDIAC DEATH PREVENTION IN HIGH RISK FAMILIAL SYNDROMES (Invited Lecture)</strong></td>
<td>34</td>
</tr>
<tr>
<td></td>
<td><strong>W-K. Shen</strong>, Mayo Clinic, Rochester, MN, USA</td>
<td></td>
</tr>
<tr>
<td><strong>14:30</strong></td>
<td><strong>SUDDEN CARDIAC DEATH: THE CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)</strong></td>
<td>35</td>
</tr>
<tr>
<td></td>
<td><strong>G.A. Mensah, Z.J Zheng, K.J Greenlund, J.B Croft</strong>, Centers for Disease Control and Prevention (CDC), Atlanta, GA, USA</td>
<td></td>
</tr>
<tr>
<td><strong>14:45</strong></td>
<td><strong>NEW ALTERNATIVES FOR PATIENTS SUFFERING IN-HOSPITAL CARDIAC ARREST: THE ROLE OF FULLY AUTOMATIC DEFIBRILLATORS (Invited Lecture)</strong></td>
<td>36</td>
</tr>
<tr>
<td></td>
<td><strong>A. Martinez-Rubio, N. Kanaan, M. Borggrefe, M. Block, F. Fedele, C. Pappone, W. Haverkamp, J.L. Merino, J. Cinca, M. Makijarvi, Hospital de Sabadell, Barcelona, Spain, USA, Germany, Italy, Finland</strong></td>
<td></td>
</tr>
<tr>
<td><strong>15:00</strong></td>
<td><strong>POST-INFARCTION SIGNALING PATHWAYS AS TARGETS FOR NOVEL THERAPEUTIC INTERVENTION (Invited Lecture)</strong></td>
<td>37</td>
</tr>
<tr>
<td></td>
<td><strong>N. El-Sherif, A. Tramontano, L. Deng</strong>, State University of New York, Brooklyn, NY, USA</td>
<td></td>
</tr>
<tr>
<td><strong>15:15</strong></td>
<td><strong>INTERATRIAL BLOCK: ELECTROMECHANICAL DISEASE OF THE LEFT ATRIUM - A VERY COMMON CONDITION (Invited Lecture)</strong></td>
<td>39</td>
</tr>
<tr>
<td></td>
<td><strong>D.H. Spodick, S.G. Goyal University of Massachusetts, Worcester, MA, USA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>15:30</strong></td>
<td><strong>NOVEL STEPS IN THE JOURNEY TOWARD OPTIMIZING CARE FOR THE VICTIM OF SUDDEN CARDIAC ARREST (Invited Lecture)</strong></td>
<td>40</td>
</tr>
<tr>
<td></td>
<td><strong>A. Capucci, D. Aschieri, Guglielmo da Saliceto Hospital, Piacenza, Italy</strong></td>
<td></td>
</tr>
<tr>
<td><strong>15:45</strong></td>
<td><strong>PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH: CURRENT ROLE OF IMPLANTABLE DEVICE THERAPY (Invited Lecture)</strong></td>
<td>41</td>
</tr>
<tr>
<td></td>
<td><strong>D.J. Wilber, Loyola University Medical Center, Maywood, IL, USA</strong></td>
<td></td>
</tr>
</tbody>
</table>
PL04 Plenary Session
NEW DEVELOPMENTS IN CARDIAC IMAGING
Chairperson: F.J. Pinto, Lisbon, Portugal

14:00 ECHOCARDIOGRAPHY IN 2003: NEW QUESTIONS, NEW CHALLENGES, NEW ANSWERS (Invited Lecture) 42
F.J. Pinto, Lisbon University, Lisbon, Portugal

14:15 COMPLEMENTARY ROLES OF CARDIAC CT IN NUCLEAR CARDIOLOGY IN ASSESSMENT OF THE CARDIAC PATIENT (Invited Lecture) 43
D.S. Berman, N. D. Wong, H. Gransar, L. Miranda-Peats, Y. Arad, S. Hayes, J. Friedman, D. Polk, R. Hachamovitch, A. Rozanski, Cedars-Sinai Medical Center, Los Angeles, CA, USA

14:30 NONINVASIVE DETECTION OF CORONARY VASOMOTOR DYSFUNCTION: AN INDEX OF PRE-CLINICAL Atherosclerosis (Invited Lecture) 44
H.R. Schelbert, David Geffen School of Medicine at UCLA, CA, USA

14:45 IMAGING IN THE MANAGEMENT OF PATIENTS WITH HEART FAILURE (Invited Lecture) 45
F. Fedele, University Hospital of Rome "La Sapienza", Rome, Italy

15:00 APPLICATION OF ANGIOSCOPY FOR DIAGNOSIS OF Atherosclerosis (Invited Lecture) 46
T. Tomaru, M. Kanai, H. Noike, Y. Uchida, Toho University Sakura Hospital, Sakura, Chiba, Japan

15:15 THE WAVEFRONT OF MYOCARDIAL CONTRACTION REVISITED (Invited Lecture) 47
M. Ballester-Rodes, University of Lleida, Catalunya, Spain

15:30 MONITORING THE EFFECTIVENESS OF MEDICAL THERAPY FOR ISCHEMIC HEART DISEASE WITH SPECT AND PET MYOCARDIAL PERFUSION IMAGING (Invited Lecture) 48
R.G. Schwartz, University of Rochester Medical Center, Rochester, NY, USA

15:45 FEASIBILITY OF SIMULTANEOUS ECHOCARDIOGRAPHIC IMAGING OF MYOCARDIAL PERFUSION AND REGIONAL LEFT VENTRICULAR FUNCTION USING COLOR-ENCODED CONTRAST ENHANCED POWER MODULATION (Invited Lecture) 49, 50
J.M. DeCara, V. Mor-Avi, K.T. Spencer, L. Weinert, J.E. Bednarz, M. Lang, University of Chicago, IL, USA

16:00 ASSESSMENT OF MYOCARDIAL VIABILITY BY CARDIAC MAGNETIC RESONANCE (Invited Lecture) 51
L.J. Jimenez-Borreguero, Principe de Asturias University Hospital,
ROLE OF MINIATURIZED ECHOCARDIOGRAPHIC PLATFORMS IN CLINICAL PRACTICE (Invited Lecture)

K. Spencer, University of Chicago, Chicago, IL, USA
SUNDAY, JULY 13, 2003

– 16:30  Columbia C

S52  Session
CLINICAL ASPECTS OF CORONARY ARTERY DISEASE AND HYPERTENSION
Chairperson: G.B. Habib, Houston TX, USA

14:00 MANAGEMENT OF THE HIGH RISK HYPERTENSIVE PATIENT
(Invited Lecture)  53
G.B. Habib, Baylor College of Medicine, Houston, TX, USA

14:15 MANAGEMENT OF EXERCISE RELATED HYPERTENSION IN NORMOTENSIVE INDIVIDUALS (Invited Lecture)  54
Y. Charuzi, T.W. Lang, B Coleman, Cedars Sinai Medical Center, LA, CA, USA

14:30 INGESTED ARSENIC IS A DOMINANT RISK FACTOR FOR CARDIOVASCULAR MORTALITY: A FOLLOW UP STUDY  55

14:45 THE ILLUSION OF WHITE COAT HYPERTENSION  56
H. Morcos, D.A. Bloomfield, Saint Vincent's Medical Center, Staten Island, NY, USA

15:00 ELECTRICAL MUSCLE STIMULATION (EMS)-INDUCED EXERCISE TRAINING HAS BENEFICIAL EFFECTS IN NORMAL SUBJECTS  57

15:15 ACUTE AND 3 MONTHS RESULTS OF SMALL CORONARY VESSEL STENTING THROUGH TRANRADIAL APPROACH  58
J. Maddury, L. Krishna, V. Goutami, R. Raghu, S. Jai Shanker, Nizam's Institute of Medical Sciences, Hyderabad, Andhra Pradesh, India

15:30 DIRECT EFFECT OF CENTRAL NITRIC OXIDE ON INTRA CELLULAR SODIUM IN THE REGULATION OF BLOOD PRESSURE  59
M. Madajka, D.F. Bohr, T. Malinski, University of Michigan, Ann Arbor, MI, USA

15:45 PERIPHERAL ARTERIAL COMPLIANCE AND ATHEROSCLEROTIC BURDEN  60
J. Raines, H. Willens, D. Wallace, D. Herrington, G. Hundley, L. Moska, W. Davis, V. Brown, University of Miami, FL, USA

16:00 COMPARATIVE EFFECT OF NITRATES AND TRIMETAZIDINE PLUS SILDENAFIL ON EXERCISE-INDUCED MYOCARDIAL ISCHEMIA. IMPLICATIONS FOR PATIENTS WITH ERECTILE DYSFUNCTION  61
G.M.C. Rosano, C. Vitale, B. Sposato, M. Fini, S. Chierchia, San Raffaele
Roma, Rome, Italy

16:15 THE ASSOCIATION BETWEEN HOMOCYSTEINE LEVELS AND CARDIOVASCULAR DISEASE RISK FACTORS: THE ATTICA STUDY

Cardiology Clinic, University of Athens, Greece
16:15 – 19:00

**Columbia A**

**PL05 Plenary Session**

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

Chairpersons:  
**D.S. Goldstein**, Bethesda MD, USA  
**J.L. Merino**, Madrid, Spain

**Abstract No.**

16:15 SYMPATHOADRENAL IMBALANCE BEFORE NEUROCARDIOGENIC SYNCOPE (Invited Lecture)  
**D.S. Goldstein**, C. Holmes, S. Frank, M. Naqibuddin, R. Dendi, S. Snader, H. Calkins NINDS, NIH, USA

16:30 ATRIAL FLUTTER MECHANISMS: NEW CONCEPTS OF INTEREST FOR THE CLINICIAN (Invited Lecture)  
**J.L. Merino**, Hospital Universitario La Paz, Madrid, Spain

16:45 FRONTIERS IN COMPLETE CONGENITAL HEART BLOCK (Invited Lecture)  
**M. Boutjdir**, Suny Downstate and NYU, New York, NY, USA

17:00 THE ROLE OF ELECTRICAL THERAPY IN PATIENTS WITH CONGESTIVE HEART FAILURE (Invited Lecture)  
**M. Akhtar**, Aurora Sinai Medical Center and St. Luke's Medical Center, Milwaukee, WI, USA

17:15 EARLY DEFIBRILLATION WITHOUT CPR IMPROVES SURVIVAL FROM OUT-OF-HOSPITAL SUDDEN CARDIAC ARREST  
**A. Capucci**, D. Aschieri, M.F. Piepoli, S. Bennati, S. Rovelli, E. Bonibaldoni, M. Saltarelli, M. Arvedi, Guglielmo da Saliceto Hospital, Piacenza, Italy

17:30 VENTRICULAR TACHYARRHYTHMIA CYCLE LENGTH, BUT NOT EJECTION FRACTION, PREDICTS IMPLANTABLE DEFIBRILLATOR SHOCKS  
**X.Z. Wang**, N. Dullet, **A. Y-J. Shen**, Kaiser Permanente Los Angeles Medical Center, LA, USA

17:45 CANDIDATES FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS AND CARDIAC RESYNCHRONIZATION THERAPY AFTER MADIT II  

18:00 MORTALITY OF PATIENTS ON DIALYSIS AT THE TIME OF ICD IMPLANTATION  
**J.A. Green**, K. Bhatt, K.J. Ferrick, J.D. Fisher, J.N. Gross, S.G. Kim, E.U. Palma, Montefiore Medical Center, Bronx, NY, USA
18:15 THE IMPLANTABLE LOOP RECORDER IN PATIENTS WITH RECURRENT SYNCOPE: NORMAL HEART VERSUS STRUCTURAL HEART DISEASE
T. Pezawas, J. Kastner, G. Stix, M. Wolzt, H. Schmidinger, University of Vienna, Vienna, Austria

18:45 INTERVENTIONAL APPROACH TO THE TREATMENT OF LATE TACHYARRHYTMIAS AFTER THE FONTAN OPERATION
K. Mchedlishvili, A.S. Revishvili, F.G. Rzaev, Z. Tembotova, M.M. Zelenkin, S.G. Chikhladze, S.B. Zaets, New Jersey Medical School, Newark, NJ, USA, Russia

19:00 SHOULD CLOPIDOGREL BE DISCONTINUED BEFORE IMPLANTING A DEVICE?
A.B. Patel, T. Chen, K. Ferrick, J.D. Fisher, J. Gross, S. Kim, E. Palma, Montefiore Medical Center, Bronx, NY, USA
SUNDAY, JULY 13, 2003

16:30 – 18:45 Columbia C

S53 Session
DIAGNOSTIC METHODS

Chairpersons:  
F. Fedele, Rome, Italy  
R.G. Schwartz, Rochester, NY, USA

16:30 DETECTION OF PARTIAL REGIONAL ISCHEMIA IN ISOLATED BEATING PIG HEARTS BY NEAR-INFRARED SPECTROSCOPIC IMAGING  
S.P. Nighswander-Rempel, R.A. Shaw, B. Xiang, V.V. Kupriyanov, University of Manitoba, Winnipeg, MB, Canada

16:45 COMPARISON OF STANDARD ECHOCARDIOGRAPHY AND PULSED WAVE DOPPLER TISSUE IMAGING TECHNIQUES IN THE ASSESSMENT OF DIASTOLIC FUNCTIONS FOLLOWING PTCA  
B. Pirat, M. Ulucam, H. Muderrisoglu, M.E. Korkmaz, B. Ozin, Baskent University of Ankara, Turkey

17:00 STRAIN RATE ECHO CAN CHARACTERIZE PATTERNS OF DIASTOLIC DYSFUNCTION  
S.A. Cauduro, K.M. Modesto, Y. Takemoto, M. Belohlavek, J.B. Seward, T.P. Abraham, Mayo Clinic and Mayo Foundation, Rochester, MN, USA, Japan

17:15 MAGNETOCARDIOGRAPHY FOR THE DIAGNOSIS OF ISCHEMIC HEART DISEASE IN BUNDLE BRANCH BLOCK PATIENTS WITH ACUTE CHEST PAIN: RESULTS OF THE HOYERSWERDA REGISTRY STUDY  
J.W. Park, U. Gerk, U. Reichert, F. Jung, Klinikum Hoyerswerda, Hoyerswerda, Germany

17:30 DETECTION OF MITRAL REGURGITATION BY CARDIAC MRI: COMPARISON WITH ANGIOGRAPHY  
M.J. Ricciardi, S. Bahu, S.N. Meyers, R. Passman, F.J. Klocke, C.J. Davidson, R.O. Bonow, Northwestern University, Chicago, IL, USA

17:45 REVISITING THE VALUE OF NUCLEAR STRESS TESTING FROM A UNIVERSITY MEDICAL CENTER EXPERIENCE - ARE WE DOING THE JOB?  
R.I. Huang, R. Kamineni, S. Butman, University of Arizona, Tucson, AZ, USA

18:00 COMPARISON OF PET WITH MCG IN CAD DIAGNOSIS  
I. Chaikovsky, C. Berndt, J. Korfer, B. Schrader, B. Yilmatz, D. Horstkotte, SQUID International AG, Essen, Germany

18:15 THE VALUE OF MAGNETOCARDIOGRAPHY IN THE COURSE OF CORONARY INTERVENTION  
B. Hailer, I. Chaikovsky, S. Auth-Eisernitz, H. Schafer, F. Steinberg, D. Gronemeyer, Catholic Hospital "Philippusstift", Essen, Germany
VALUE OF MAGNETOCARDIOGRAPHY FOR NON-INVASIVE DIAGNOSIS OF CORONARY ARTERY

J. Lokies, F. Girke, I. Chaikovsky, B. Awolin, E. Fleck SQUID International AG, Essen, Germany

SUNDAY, JULY 13, 2003

08:30 – 18:00  Poster Hall

P101  Poster Session
GENETIC STUDIES

Board No.  Abstract No.
1  FUNCTIONAL SNPS IN THE LYMHPOTOXIN-ALPHA GENE THAT ARE ASSOCIATED WITH SUSCEPTIBILITY TO MYOCARDIAL INFARCTION  84

2  ABNORMALITY OF P53 GENE AND PRIMARY CARDIOMYOPATHY  85
A.Y Gudkova, E.V. Shlyakhto, E.N. Semernin, M.I. Zarayskiy, K.V. Korzhanevskaya, M.G. Rybakova, A.Y. Zaritskiy, B.V. Afanasyev, St. Petersburg Pavlov Medical University, St. Petersburg, Russia

3  VIRAL NUCLEAR ACIDS AND OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY  86
E.V. Shlyakhto, L.A. Bokerya, A.Y. Gudkova, K.V. Borisov, M.G. Rybakova, A.V. Semenov, T.V. Belyaeva, St. Petersburg Pavlov Medical University, St. Petersburg, Russia

4  CLINICAL AND CYTOGENETICS STUDY IN 129 CONGENITAL HEART DEFECTS AND EXTRACARDIAC MALFORMATIONS, MASHHAD, NORTH EAST OF IRAN  87
K. Ghodsi, E. Mahmoodi, A. Mirzaei, A. Bolourian, G. Mamoori, R. Akbarzadeh, M. Nezafati, A. Moeinipoor, J. Esfahanizadeh, M. Abbasi, Mashhad University of Medical Sciences, Mashhad, Iran

P102  Poster Session
BIOCHEMICAL MARKERS OF ACUTE ISCHEMIA

5  ASSESSMENT OF MULTI RISK FACTORS AS NEW INDEXES IN CORONARY ARTERIAL DISEASES  88
T. Furuta, K. Tamura, W. Fujiwara, S. Kakizawa, O. Inami, T. Kondo, H. Yokoi, Y. Abo, Y. Watanabe, Fujita Health University, The 2nd Hospital, Nagoya, Japan
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>89</td>
<td>INCREASED SERUM HYALURONIC ACID AMONG PATIENTS WITH CORONARY ARTERY DISEASE</td>
<td>D.J. Cantillon, L.C. Clavijo, J. Chen, L. Zhang, M.D. Greenberg, C. Tracy,</td>
<td>Georgetown University Hospital, Washington, D.C. USA</td>
</tr>
<tr>
<td>7</td>
<td>90</td>
<td>GAS CHROMATOGRAPHY-MASS SPECTROMETRY ANALYSIS OF DNA FROM ACUTE MYOCARDIAL INFARCTION PATIENTS IN CHINESE, MALAY AND INDIAN</td>
<td>Y.Z. Zhu, S.H. Huang, S.B. Ooi, M. Whiteman, B. Halliwell, National University of Singapore, Singapore</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>91</td>
<td>EXPERIMENTAL STUDY OF CRATAEGUS FLAVONE ON ANTI-MYOCARDIAL ISCHEMIA AND HYPOXIA TOLERANCE</td>
<td>L. Ling, C.S. Sun, Changsha Railway Hospital, Changsha, Hunan, China</td>
<td></td>
</tr>
</tbody>
</table>
P103  Poster Session
ACUTE MYOCARDIAL INFARCTION

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors/Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>92</td>
<td>ACUTE MYOCARDIAL INFARCTION WITH NORMAL CORONARY ARTERIES – RISK PROFILE AND PROGNOSIS</td>
<td>S.M.R. Amorim et al.</td>
</tr>
<tr>
<td>10</td>
<td>93</td>
<td>NORMAL CORONARY ANGIOGRAPHY IN PATIENTS WITH CLINICAL SUSPICION OF ACUTE MYOCARDIAL INFARCTION WITH ST SEGMENT ELEVATION</td>
<td>S.M.R. Amorim et al.</td>
</tr>
</tbody>
</table>

P104  Poster Session
INTERVENTIONAL CARDIOLOGY

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors/Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>94</td>
<td>STRESS SPECT IMAGING IS NOT CORRELATED WITH ANGIOGRAPHY AT 6 MONTHS AFTER PRIMARY ANGIOPLASTY</td>
<td>K. Isaaz et al.</td>
</tr>
<tr>
<td>12</td>
<td>95</td>
<td>INCIDENCE, MANAGEMENT AND TREATMENT OUTCOMES OF INTRASTENT RESTENOSIS IN USUAL PRACTICE</td>
<td>L.A. Inigo-Garcia et al.</td>
</tr>
<tr>
<td>13</td>
<td>96</td>
<td>BOLUS INTRAVENOUS HEPARIN AS REPERFUSION THERAPY FOR ACUTE MYOCARDIAL INFARCTION</td>
<td>I. Balla et al.</td>
</tr>
<tr>
<td>14</td>
<td>97</td>
<td>EFFECTS OF GLUCOSE-INSULIN-POTASSIUM INFUSION IN PATIENTS UNDERGOING PRIMARY ANGIOPLASTY: PRELIMINARY RESULTS</td>
<td>C. Bucciarelli-Ducci et al.</td>
</tr>
<tr>
<td>15</td>
<td>98</td>
<td>INVESTIGATION OF FLEXIBILITY AND RADIAL RIGIDITY: THE WIRE ARTERIAL STENT</td>
<td>A.G. Mrochek et al.</td>
</tr>
</tbody>
</table>
SUNDAY, JULY 13, 2003

08:30 – 18:00  Poster Hall

P105  Poster Session
PEDIATRIC CARDIOLOGY / CONGENITAL HEART DISEASE

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>99</td>
</tr>
<tr>
<td>17</td>
<td>100</td>
</tr>
<tr>
<td>18</td>
<td>101</td>
</tr>
</tbody>
</table>

LEVELS OF THYMIC RECENT EMIGRANT CELLS DECREASES IN CHILDREN UNDERGOING THYMECTOMY DURING CARDIAC SURGERY
A. Madhok, A. Chandrasekran, D. Chowdhury, V.A. Parnell, S. Pahwa, Schneider Children's Hospital, New Hyde Park, NY, USA

CHANGES IN CLINICAL MANIFESTATIONS OF INFECTIVE ENDOCARDITIS IN CHILDREN DURING THE PAST 36 YEARS
Y. Chen, J. Tian, G. Yu, Y. Jian, Children's Hospital, Chongqing Medical University, Chongqing, China

NUTRITIONAL ASSESSMENT OF CONGENITAL HEART DISEASE PEDIATRIC PATIENTS
A.M. Chutani, M. Manral, P. Kaur, A. Saxena, C.N.C, A.I.I.M.S., New Delhi, India

P106  Poster Session
NEW APPROACHES TO SURGICAL REVASCULARIZATION, TMLR

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>102</td>
</tr>
</tbody>
</table>

RESULTS OF TRANSMYOCARDIAL LASER REVASCULARIZATION IN COMBINATION WITH CORONARY ARTERY BYPASS GRAFTING
L.A. Bockeria, I.I. Berishvili, I.U. Sigaev, M.V. Starostin, A.M. Sakran, A.B. Shlyakovoy, I.V. Glushkova, Bakoulev Scientific Center for Cardiovascular Surgery, Moscow, Russia

P107  Poster Session
VALVULAR HEART DISEASE / HEART VALVE SURGERY-ADULT

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>103</td>
</tr>
<tr>
<td>21</td>
<td>104</td>
</tr>
<tr>
<td>22</td>
<td>105</td>
</tr>
</tbody>
</table>

ASPERGILLUS AORTITIS AFTER CARDIAC SURGERY
A. Sanchez-Recalde, I. Mate, J.L. Merino, R.S. Simon, J.A. Sobrino, Hospital Universitario La Paz, Madrid, Spain

IMPACT OF PRESSURE RECOVERY ON AORTIC STENOSIS PRESSURE GRADIENTS IN A CLINICAL SETTING
K. Issaz, O. Gaillard, A. Cerisier, A. Da Costa, E. Faure, M. Laimaud, C. Gerent, University of Saint Etienne, Saint Etienne, France

SURGICAL TREATMENT FOR INFECTIOUS ENDOCARDITIS - EARLY AND LONG-TERM RESULTS
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>107</td>
<td>PRELIMINARY EXPERIENCE WITH THORATEC TLC II, FIRST CASES IN LATIN AMERICA</td>
<td>E. Herrera Garza, O. Ortega Duran, J. Molina Gamboa, H. Decanini Arcaute, IMSS Monterrey, Nuevo Leon, Mexico</td>
</tr>
<tr>
<td>25</td>
<td>108</td>
<td>HEART TRANSPLANTATION IN PATIENTS WITH SEVERE PULMONARY HYPERTENSION</td>
<td>H. Al-Hiti, I. Malek, J. Kettner, J. Pirk, Institute of Clinical and Experimental Medicine, Prague, Czech Republic</td>
</tr>
<tr>
<td>27</td>
<td>110</td>
<td>CRISIS (?) OF MEDICAL CARE SYSTEM IN JAPAN</td>
<td>T. Tomaru, Toho University Sakura Hospital, Sakura, Chiba, Japan</td>
</tr>
<tr>
<td>28</td>
<td>111</td>
<td>IMPROVING THE RESULTS OF MYOCARDIAL PERFUSION SCINTIGRAPHY BY MACHINE LEARNING</td>
<td>C. Groselj, M. Kukar, University Medical Center, Ljubljana, Slovenia</td>
</tr>
<tr>
<td>29</td>
<td>112</td>
<td>IMPROVING THE CORONARY ARTERY DISEASE PRETEST PROBABILITY BY MACHINE LEARNING METHOD</td>
<td>C. Groselj, M. Kukar, University Medical Center, Ljubljana, Slovenia</td>
</tr>
<tr>
<td>30</td>
<td>113</td>
<td>NEW MODELS OF DISEASE MANAGEMENT: IMPROVING QUALITY THROUGH IN-HOME MONITORING TECHNOLOGY</td>
<td>S. Brown, Health Hero Network, Mountain View, CA, USA</td>
</tr>
</tbody>
</table>
THE BENEFITS OF AN INFORMED PATIENT-- ONLINE EDUCATION AS A TOOL TO PRODUCE MORE POSITIVE OUTCOMES

A.J. Lansky, J. Izzo, Lenox Hill Hospital, New York, NY, USA
P111 Poster Session
MISCELLANEOUS I

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>115</td>
</tr>
<tr>
<td>33</td>
<td>116</td>
</tr>
<tr>
<td>34</td>
<td>117</td>
</tr>
<tr>
<td>35</td>
<td>118</td>
</tr>
<tr>
<td>36</td>
<td>119</td>
</tr>
<tr>
<td>37</td>
<td>120</td>
</tr>
</tbody>
</table>

32 IMPROVED HEMODYNAMICS WITH A NOVEL CHEST COMPRESSION DEVICE  
S. Timerman, L.F. Cardoso, J.A.F. Ramires, H. Halperin, University of Sao Paulo Medical School, Sao Paulo, Brazil, USA

33 EFFICACY AND ACCEPTABILITY OF TRIMETAZIDINE IN POST-REVASCULARIZED PATIENTS WITH RECURRENT ANGINA SYMPTOMS  

34 NEUROHORMONAL BEHAVIOUR IN PROLONGED ORTHOSTATIC STIMULUS  
J. Freitas, R. Santos, M. Carvalho, F. Boomsma, A.H. Meiracker, Hospital de Sao Joao, Porto, Portugal. The Netherlands

35 THE ASSOCIATION BETWEEN OCCUPATIONAL STRESS AND CORONARY HEART DISEASE RISK, IN MEN AND WOMEN; THE CARDIO2000 STUDY  

36 IRBESARTAN EFFECTS ON POSTINFARCTION HEART REMODELLING AND ENDOTHELIN-1 LEVEL IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION  
L.T. Malaya, I.I. Knyazkova, S.R. Dadashzade Institute of Therapy of AMS of Ukraine, Kharkov, Ukraine

37 ANTI-ARRHYTHMIC MANAGEMENT OF SUPRAVENTRICULAR PAROXYSMAL TACHYCARDIA IN CHILDREN - OUR EXPERIENCE  
R.H. Bejqi, M.I. Kelmendi, R. Retkoceri, N. Zeka, H. Bejqi, University Children's Hospital, Prishtina, Kosova, Albania
MONDAY, JULY 14,
MONDAY, JULY 14, 2003

08:30 – 10:45  Columbia A

PL06:  Plenary Session
INTerventional CARDiology

Chairpersons:  H. Sievert, Frankfurt, Germany
               G.W. Vetrovec, Richmond VA, USA

08:30  CATHETER CLOSURE OF VENTRICULAR SEPTAL DEFECTS
       (Invited Lecture)  121
       H. Sievert, S. Ostermayer, Cardiovascular Center, Frankfurt, Germany

08:45  APPLICATION OF EXCIMER LASER ANGIOPLASTY IN ACUTE
       CORONARY SYNDROMES (Invited Lecture)  122
       O. Topaz, McGuire Veterans Affairs Medical Center, Richmond, VA, USA

09:00  USE OF INTRACARDIAC ECHOCARDIOGRAPHY FOR GUIDING DEVICE
       CLOSURE OF INTERATRIAL COMMUNICATIONS (Invited Lecture)  123
       S. Kar, T. Naqvi, M. Price, J. Aragon, R. Makkar, N. Eigler, Cedars Sinai
       Medical Center, Los Angeles, California, USA

09:15  DRUG ELUTING STENTS: SPECIAL CONSIDERATIONS IN THE
       APPLICATION OF RESTENOSIS (Invited Lecture)  124
       G.W. Vetrovec, Virginia Commonwealth University, Richmond, VA, USA

09:30  CATHETER BASED TREATMENT FOR HOCM: STUDIES ON MYOCARDIAL
       INFARCTION IN A UNIQUE CLINICAL INFARCT MODEL (Invited Lecture)  125
       H. Kuhn, T. Lawrenz, F. Lieder, Bielefeld Klinikum, Bielefeld, Germany

09:45  PERCUTANEOUS CLOSURE OF THE LEFT ATRIAL APPENDAGE TO
       PREVENT STROKE IN PATIENTS WITH ATRIAL Fibrillation:
       SHORT- AND MID-TERM RESULTS  126
       S. Ostermayer, T. Trepels, K. Billinger, T. Nakai, M. Lesh, H. Omran,
       A. Bartorelli, P. Della Bella, M. Reisman, W. Gray, C. DiMario, P. Block,
       P. Kramer, D. Williams, A. Poppas, A. Skanes, B. Meier, D. Scherer,
       H. Sievert, Cardiovascular Center, Frankfurt, Germany, USA, Italy,
       Canada, Switzerland

10:00  STENTS, DESIGN AND VESSEL WALL BIOLOGY: TWO DECADES
       OF PROGRESS (Invited Lecture)  127
       R. Beyar, Technion, Israel Institute of Technology and Rambam Medical
       Center, Haifa, Israel

10:15  CAROTID ATHEROSCLEROSIS BUT NOT INTIMA MEDIA THICKNESS
       PREDICTS ANGIOGRAPHIC CORONARY ARTERY DISEASE  129
       K.O. Akosah, S.I. Barnhart, A.M. Schaper, Gunderson Lutheran, La Crosse,
       WI, USA
10:30 THE PREDICTIVE VALUE OF WHITE BLOOD CELL COUNT ON THE SUCCESS OF PRIMARY PERCUTANEOUS INTERVENTION (PCI) OF THE LEFT ANTERIOR DESCENDING ARTERY IN PATIENTS ADMITTED WITH ACUTE ANTERIOR WALL MYOCARDIAL INFARCTION
A. Blum, M. Hoffman, R. Massachi, E. Shabtai, H. Miller, Tel Aviv Medical Center, Israel

MONDAY, JULY 14, 2003

08:30 – 11:15 Columbia B

PL07: Plenary Session
CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT

Chairperson: H.A. Alpert, St. Louis, MO, USA
B.I. Jugdutt, Alberta, Canada

08:30 ETIOPATHOGENIC DIFFERENTIATION AND IMMUNOMODULATORY TREATMENT IN INFLAMMATORY CARDIOMYOPATHY (Invited Lecture)
H.P. Schultheiss, University Hospital Benjamin Franklin, Berlin, Germany

08:45 LACK OF CYTOKINE UP-REGULATION IN HEART FAILURE DUE TO ADRIAMICYN (Invited Lecture)
P.K. Singal, H. Lou, Institute of Cardiovascular Sciences, Winnipeg, MB, Canada

09:00 VENTRICULAR REMODELING POST-INFARCTION AND COLLAGEN (Invited Lecture)
B.I. Jugdutt, University of Alberta, Edmonton, Alberta, Canada

09:15 VIRAL MYOCARDITIS AS A PREDICTOR OF DILATED CARDIOMYOPATHY, POSSIBILITIES FOR THE PREVENTION OF DCM (Invited Lecture)
N. N. Kipshidze, Institute of Therapy, Tbilisi, Georgia

09:30 MYOCARDIAL FLOW-METABOLISM ABNORMALITIES IN DILATED CARDIOMYOPATHY: CAUSE OR EFFECT OF VENTRICULAR DYSFUNCTION? (Invited Lecture)
D. Neglia, CNR Institute of Clinical Physiology, Pisa, Italy

09:45 ARRHYMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY - DIAGNOSIS AND TREATMENT (Invited Lecture)
C.Y. Lui, University of Arizona, Tucson, AZ, USA

10:00 CHAGAS DISEASE: WHAT ALL PHYSICIANS NEED TO KNOW (Invited Lecture)
A. Rassi Jnr., Anis Rassi Hospital, Goiania, Brazil

10:15 ANGIOTENSIN AND THE LEFT VENTRICLE (Invited Lecture)
P.R. Liebson, Rush Medical College, Chicago, IL, USA
10:30  PERICARDIAL INVOLVEMENT IN END-STAGE RENAL DISEASE
       (Invited Lecture)
       **M.A. Alpert**, St. John’s Mercy Medical Center, St. Louis, MO, USA

10:45  PSYCHOSOCIAL AND HORMONAL CONTRIBUTORS TO THE DEVELOPMENT
       AND THE PROGRESSION OF HEART FAILURE IN FEMALES (Invited Lecture)
       **V. Regitz-Zagrosek**, German Heart Institute, Berlin, Germany

11:00  LONG-TERM FOLLOW-UP ON THE MORBIDITY AND MORTALITY OF
       PATIENTS HOSPITALIZED FOR HEART FAILURE WITH A NORMAL
       EJECTION FRACTION (Invited Lecture)
       **M. Klapholz**, N. Varshneya, E. Hernandez, R. Voleti, S. Bhargava, Z. Tai,
       R. Gupta, K. Sehhat, J. Burcham, T. LeJemtel, Saint Vincent Catholic
       Medical Center, New York, NY, USA
### 11:15 – 13:45  Columbia A

**PL08: Plenary Session**  
**SURGICAL ASPECTS / VALVULAR HEART DISEASE / PEDIATRIC CARDIOLOGY**

**Chairpersons:**  
- J.S. Borer, New York, N Y, USA  
- J.A. Elefteriades, New Haven, CT, USA

**Abstract No.**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15</td>
<td>ETIOLOGY OF VALVULAR HEART DISEASE IN THE 21ST CENTURY (Invited Lecture)</td>
<td>H. Boudoulas</td>
<td>Foundation of Biomedical Research, Academy of Athens, Greece</td>
</tr>
<tr>
<td>11:30</td>
<td>CONFIRMATION OF CONTRACTILITY AS A PROGNOSTIC INDEX IN AR AND THE CELLULAR/MOLECULAR BASIS OF THE DEFICIT (Invited Lecture)</td>
<td>J.S. Borer</td>
<td>Weill Medical College of Cornell University, New York, N.Y., USA</td>
</tr>
<tr>
<td>11:45</td>
<td>MECHANICAL PROPERTIES OF NORMAL AND ANEURYSMAL ASCENDING AORTA (Invited Lecture)</td>
<td>J.A. Elefteriades</td>
<td>Yale University School of Medicine, New Haven, CT, USA</td>
</tr>
<tr>
<td>12:00</td>
<td>ROBOTIC MITRAL VALVE REPAIR: IMPROVED RESULTS AND PATIENT SATISFACTION (Invited Lecture)</td>
<td>M.S. Slaughter</td>
<td>Advocate Christ Medical Center, Oak Lawn, IL, USA</td>
</tr>
<tr>
<td>12:15</td>
<td>MITRAL AND TRICUSPIDE RECONSTRUCTION IN THE PATIENTS WITH HEART FAILURE (Invited Lecture)</td>
<td>N.D. Radovanovic</td>
<td>University Clinic of Cardiovascular Surgery, Sremska Kamenica, Vojvodina, Serbia &amp; Montenegro</td>
</tr>
<tr>
<td>12:30</td>
<td>FETAL INTERVENTION TO PREVENT HYPOPLASTIC LEFT HEART SYNDROME (Invited Lecture)</td>
<td>S.D. Colan</td>
<td>Children's Hospital, Boston, MA, USA</td>
</tr>
<tr>
<td>12:45</td>
<td>MECHANICAL CIRCULATORY SUPPORT IN INFANTS AND CHILDREN WITH CARDIAC DISEASE (Invited Lecture)</td>
<td>B.W. Duncan</td>
<td>Cleveland Clinic Foundation, Cleveland, OH, USA</td>
</tr>
<tr>
<td>13:00</td>
<td>THE TRAINING OF PEDIATRIC CARDIAC INTENSIVE CARE PHYSICIANS (Invited Lecture)</td>
<td>G.L. Rosenthal</td>
<td>Cleveland Clinic Foundation, Cleveland, OH, USA</td>
</tr>
<tr>
<td>13:15</td>
<td>INFLUENCE OF VALVE ORIFICE VARIABILITY DURING EJECTION ON HEMODYNAMICS OF AORTIC STENOSIS: A COMPUTER NUMERICAL SIMULATION STUDY</td>
<td>S. Schouvey, K. Isaaz</td>
<td>University of St. Etienne, St. Etienne, France</td>
</tr>
</tbody>
</table>
FIRST-LINE THERAPY FOR PLATYPNEA-ORTHODEOXIA SYNDROME WITH PERCUTANEOUS CATHETER-BASED PLACEMENT OF AMPLATZER SEPTAL CLOSURE DEVICES

D.R. Talreja, G.S. Reeder, D.J. Hagler, Mayo Clinic, Rochester, MN, USA
MONDAY, JULY 14, 2003

11:15 – 14:00 Columbia B

PL09: Plenary Session
NEW INSIGHTS INTO THE PATHOGENESIS AND MANAGEMENT OF ATHEROSCLEROSIS

Chairpersons: J. Ge, Shanghai, P.R. China
H. Krut, Bethesda, MD, USA

11:15 WHAT IS AN OPTIMAL DIET? (Invited Lecture) 152
Dean Ornish, Preventive Medicine Research Institute; UCSF, CA, USA

11:30 PATHOGEN BURDEN, THE PRIME CULPRIT OF ATHEROSCLEROSIS
(Invited Lecture) 153
J. Ge, C. Liang, Y. Niu, J. Qian, K. Wang, Zhongshan Hospital, Fudan University, Shanghai, China

11:45 HOW MACROPHAGES GET FAT (Invited Lecture) 154
H.S. Kruth, W. Huang, I. Ishii, W.Y. Zhang, NHLBI, NIH, DHHS, Bethesda, MD, USA

12:00 ANTIOXIDANTS AND ATHEROSCLEROSIS (Invited Lecture) 155
J-C. Tardif, Montreal Heart Institute, Montreal, Canada

12:15 ANGIOGENESIS CLINICAL TRIALS (Invited Lecture) 156
T.A. Sanborn, I.S. Syed, T.K. Rosengart, Northwestern University, Evanston, IL, USA

12:30 SOCIO-ECONOMIC STATUS AND ITS CLINICAL IMPLICATION ON CORONARY ARTERY DISEASE (Invited Lecture) 157
C. Pitsavos, University of Athens, Chalandri, Athens, Greece

12:45 THE CRP LEVELS ARE HIGHER IN PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION OF ISCHEMIC ORIGIN THAT IN THOSE OF NON ISCHEMIC (Invited Lecture) 158
S. Dalla-Volta, D. Anzuloviæ-Miroševiæ, Universita degli Studi di Padova, Padova, Italy

13:00 IMPACT OF GUM INFECTION ON HEART DISEASE (Invited Lecture) 159
S. Amar, Boston University Medical Center, Boston, MA, USA

13:15 ATHEROSCLEROTIC REGRESSION - A MYTH OR REALITY (Invited Lecture) 160
K. Adarsh, Govt Medical College/G.N.D. Hospital, Amritsar, Punjab, India

13:30 CLIMATOLOGICAL VARIATIONS AND CARDIOVASCULAR MORTALITY (Invited Lecture) 161
D.B. Panagiotakos, School of Medicine, University of Athens, Athens, Greece

13:45 CLINICAL APPLICATIONS OF CORONARY CT (Invited Lecture) 340
M. Motro, J. Shemesh, Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel

MONDAY, JULY 14, 2003

14:00 – 16:45 Columbia A

PL10: Plenary Session
GENETIC STUDIES, VASCULAR BIOLOGY, ENDOTHELIAL FUNCTION

Chairperson: H.N. Sabbah, Detroit, MI, USA

14:00 PREVENTING PROGRESSIVE LEFT VENTRICULAR DILATION IS INTEGRAL TO NORMALIZATION OF GENE EXPRESSION IN HEART FAILURE (Invited Lecture)
H.N. Sabbah, Henry Ford Health System, Detroit, MI, USA

14:15 GENETIC MECHANISMS OF HEART FAILURE (Invited Lecture)
J.A. Towbin, Baylor College of Medicine, Houston, TX, USA

14:30 CHIP-PING AWAY AT HEART FAILURE (Invited Lecture)
C-C. Liew, Harvard Medical School, Boston, MA, USA

14:45 ASSOCIATION OF SINGLE NUCLEOTIDE POLYMORPHISMS IN THE OXIDIZED LDL-RECEPTOR 1 (OLR1) GENE IN PATIENTS WITH MYOCARDIAL INFARCTION (Invited Lecture)
J.L. Mehta, R. Mango, F. Clementi, P. Borgiani, G. Forleo, M. Federici, R. Lauro, L. Garza-Arreola; I. Fahdi, F. Romeo, G. Novelli; University of Arkansas for Medical Sciences, Little Rock, AR, USA

15:00 CHRONIC INHIBITION OF NITRIC OXIDE SYNTHASE INDUCES HYPERTENSION AND CARDIOMYOCYTE MITOCHONDRIAL AND MYOCARDIAL COLLAGEN REMODELING IN THE ABSENCE OF HYPERTROPHY (Invited Lecture)
M.A. Rossi, University of Sao Paulo, Ribeirao, Brazil

15:15 ENDOTHELIAL PROTECTION BY NITRIC OXIDE AND ASPIRIN: INVOLVEMENT OF HEME OXYGENASE-1 AND FERRITIN (Invited Lecture)
N. Grosser, H. Schroeder, Martin Luther University, Halle (Saale), Germany

15:30 ERYTHROPOIETIN AND VASCULAR "PATHWAYS OF PROTECTION" WITH AKT, APAF-1, AND CYTOCHROME C (Invited Lecture)
K. Maiese, Z.Z. Chong, J-Q Kang, Wayne State University, Detroit, MI, USA

15:45 GENETIC ALTERATION IN NATRIURETIC PEPTIDE RECEPTOR - A CAUSES HYPERTENSION AND CONGESTIVE HEART FAILURE (Invited Lecture)
K.N. Pandey, Tulane University Health Sciences Center, New Orleans, LA, USA

16:00 SYNERGISTIC POLYMORPHISMS OF B1 - AND ß2C -ADRENERGIC RECEPTORS AND THE RISK OF CONGESTIVE HEART FAILURE
L.E. Wagoner, K.M. Small, A.M. Levin, S.L.R. Kardia, S.B. Liggett, University of Cincinnati, Cincinnati, OH, USA
PL10 (continued)

16:15  IMAGING OF VASCULAR GENE THERAPY (Invited Lecture)  
X. Yang, John Hopkins University, Baltimore, Maryland, USA  

16:30  DIFFERENTIAL GENE EXPRESSION IN THE FAILING AND RESCUED HEART (Invited Lecture)  
B.C. Blaxall, Duke University Medical Center, Durham, NC, USA  

MONDAY, JULY 14, 2003

14:00 – 16:15 Columbia B

PL11: Plenary Session
HEART FAILURE: DRUG THERAPY AND OTHER CLINICAL ASPECTS
Chairpersons: A.J. Burger, Boston, MA, USA  
K. Chatterjee, San Francisco, CA, USA

14:00  SYSTEMIC AND CORONARY HEMODYNAMIC EFFECTS OF B-TYPE NATRIURETIC PEPTIDE NESIRITIDE (Invited Lecture)  
K. Chatterjee, C. Zellner, A. Michaels, University of California San Francisco, San Francisco, CA, USA  

14:15  DIFFERENTIAL SECRETION PATTERNS OF NATRIURETIC PEPTIDES IN A HEART FAILURE POPULATION AND THEIR ASSOCIATION WITH CARDIAC FUNCTION (Invited Lecture)  

14:30  BENEFICIAL EFFECT OF NESIRITIDE (HUMAN B-TYPE NATRIURETIC PEPTIDE) ON HEART RATE VARIABILITY IN DECOMPENSATED HEART FAILURE (Invited Lecture)  
A.J. Burger, Harvard Medical School, Boston, MA, USA  

14:45  ENDOTHELIN ANTAGONISTS IN CARDIOVASCULAR DISEASE: NEW PRECLINICAL AND CLINICAL DATA (Invited Lecture)  
R.R. Wenzel, University Hospital Essen, Essen, Germany  

15:00  IMPLANTABLE PHYSIOLOGIC OPTIMIZED DOSIMETER FOR TREATING ADVANCED CONGESTIVE HEART FAILURE (Invited Lecture)  
S. Kar, D. MacClean, J. Aragon, R. Makkar, F. Litvack, J. Whiting, N. Eigler. Cedars-Sinai Medical Center, Los Angeles, CA, USA  

15:15  SILDENAFIL, A PHOSPHODIESTERASE TYPE 5 INHIBITOR, IN THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION (Invited Lecture)  
E.D. Michelakis, University of Alberta, Edmonton, AB, Canada
STAPHYLOCOCCAL LIPOTEICHOIC ACID DEPRESSES CARDIAC CONTRACTILITY IN A CD14-DEPENDENT MANNER

U. Grandel, M. Hopf, M. Buerke, T. Hartung, S. Morath, W. Seeger, F. Grimminger, U. Sibelius, Justus-Liebig University, Giessen, Germany
15:45 ABRUPT CORONARY NO-FLOW PHENOMENON IN HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY: NO SPECIFIC ADVERSE EFFECT OF ALCOHOL INJECTION IN ALCOHOL SEPTAL ABLATION


16:00 SERUM HYALURONIC ACID IS ELEVATED IN PATIENTS WITH DECOMPENSATED CONGESTIVE HEART FAILURE

MONDAY, JULY 14, 2003

16:45 – 19:30

Columbia B

---

PL12: Plenary Session

NEW APPROACHES TO SURGICAL REVASCULARIZATION, SURGERY FOR LV DYSFUNCTION, CARDIAC TRANSPLANTATION

Chairperson:

D.M. Meyer, Dallas, TX, USA
P. Nataf, St Denis, France

---

16:45

PURELY INTERNAL MAMMARY ARTERY CABG FOR COMPLETE MYOCARDIAL REVASCULARIZATION (Invited Lecture) 185

P. Nataf, N. Al Attar, R. Raffoul, F. Nappi, R. Ramadan, Centre Cardiologique du Nord, Saint Denis, France

17:00

FACILITATIVE TECHNIQUES TO ADVANCE THE MINIMALLY INVASIVE SURGICAL TREATMENT OF CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture) 186

V.A. Subramanian, N.C. Patel, Lenox Hill Hospital, New York, USA

17:15

SURGICAL TRIALS FOR THE MANAGEMENT OF HEART FAILURE (Invited Lecture) 187

D.M. Meyer, University of Texas Southwestern Medical Center, Dallas, TX, USA

17:30

ASSESSMENT OF MYOCARDIAL VIABILITY IN HEART FAILURE: WHO SHOULD BE REVASCULARIZED? (Invited Lecture) 188

V. Dilsizian, University of Maryland School of Medicine, Baltimore, MD, USA

17:45

MANAGEMENT OF PULMONARY HYPERTENSION IN CARDIAC TRANSPLANT RECIPIENTS (Invited Lecture) 189

G. Bhat, University of Louisville, Jewish Hospital, Louisville, KY, USA

18:00

NEW AGENTS AND NEW STRATEGIES IN IMMUNOSUPPRESSION AFTER HEART TRANSPLANTATION (Invited Lecture) 190

B. Meiser, M. Mueller, B. Reichart, Univ. of Munich, Grosshadern Medical Center, Munich, Germany

18:15

RECENT ADVANCES IN CARDIAC SURGERY (Invited Lecture) 191

M.K.C. Dullum, Washington Regional Cardiac Surgery PC, Washington DC, USA

18:30

Evolving Treatment Strategies for Unrevascularizable Ischemic Coronary Disease (Invited Lecture) 192

G.W. Barsness, Mayo Clinic, Rochester, MN, USA
18:45  HEART TRANSPLANTATION WITH BICAVAL AND PULMONARY VENOUS ANASTOMOSES  (Invited Lecture)  

19:00  EXPRESSION OF APOPTOTIC MARKER P53 IN CARDIAC ALLOGRAFT  
P. Misra, B.K. McLaren, P.L. Zhang, M.R. Fowler, Louisiana State University Health Sciences Center, Shreveport, LA, USA

19:15  SIROLIMUS (RAPAMYCIN) AS RESCUE THERAPY IN HEART TRANSPLANT RECIPIENTS WITH CALCINEURIN INDUCED RENAL DYSFUNCTION  
A. Bohdjalian, A. Zuckermann, S. Roedler, M. Ehrlich, M. Grimm, University of Vienna, Vienna, Austria
S54: Session
VASCULAR BIOLOGY, BASIC RESEARCH
Chairperson: E.G. Kranias, Cincinnati, OH, USA
M.A. Rossi, Sao Paulo, Brazil

16:45 – 19:45 Columbia A

16:45
THE P2Y2 NUCLEOTIDE RECEPTOR MEDIATES UTP-INDUCED
VASCULAR CELL ADHESION MOLECULE-1 EXPRESSION IN
CORONARY ARTERY ENDOTHELIAL CELLS
C.I. Seye, N. Yu, F. Gonzalez, G. Weisman, University of Missouri-Columbia,
Columbia, MO, USA, Puerto Rico

17:00
SERP-1, A VIRAL SERPIN WITH ANTI-INFLAMMATORY ACTIVITY
ALTERS GENE EXPRESSION PROFILES IN HUMAN MONOCYTES
B. Togonu-Bickersteth, K. Viswanathan, L. Liu, D. Marentette, P. Vatsya,
B. Nadeau, A. Lucas, University of Western Ontario, London, ON, Canada,
China

17:15
TELOMERASE ACTIVATION IN CORONARY ATHEROSCLEROSIS
S-C. Liu, M-Z Wu, D-C. Wu, F-J. Yu, S-S. Wang, J-J. Hwang, W-J. Chen,
F-T. Chiang, M-F. Yu, National Taiwan University Hospital, Taipei, Taiwan

17:30
REGULATION OF HYPOXIA-INDUCIBLE FACTOR 1A BY CYCLICAL
MECHANICAL STRETCH IN RAT VASCULAR SMOOTH MUSCLE CELLS
K-G. Shyu, B.W. Wang, H. Chang, Shin Kong Wu Ho-Su Memorial Hospital,
Taipei, Taiwan

17:45
VASCULAR REMODELING DURING HEALING AFTER REPERFUSED
MYOCARDIAL INFARCTION
B.I. Jugdutt, H. Idikio, University of Alberta, Edmonton, Alberta, Canada

18:00
INDUCTION OF MATRIX METALLOPROTEINASES-2 AND -14 BY CYCLICAL
MECHANICAL STRETCH IS MEDIATED BY TUMOR NECROSIS
FACTOR-ALPHA IN CULTURED HUMAN UMBILICAL VEIN ENDOTHELIAL
CELLS
B-W. Wang, K.G. Shyu, H. Chang, Shin Kong Wu Ho-Su Memorial Hospital,
Taiwan

18:15
SIGNIFICANCE OF CHYMASE-DEPENDENT ANGIOTENSIN II-FORMING
PATHWAY IN THE DEVELOPMENT OF VASCULAR PROLIFERATION
M. Miyazaki, S. Takai, Osaka Medical College, Takatsuki City, Osaka, Japan

18:30
CHYMASE INHIBITOR SUPPRESSED INTIMAL HYPERPLASIA AFTER
BALLOON INJURY
S. Takai, M. Miyazaki, Osaka Medical College, Takatsuki City, Osaka, Japan
18:45  NONSELECTIVE CATION CURRENTS REGULATE MEMBRANE POTENTIAL OF RABBIT CORONARY ARTERIAL CELL: MODULATION BY LYSOPHOSPHATIDYLCHOLINE  
T. Nakajima, K. Terasawa, H. Iida, K. Iwasawa, T. Morita, T. Toyo-oka, R. Nagai, Tokyo University, Tokyo, Japan  

19:00  OPTIMAL NUMBER OF TRANSDUCER ANGLES FOR CARDIOVASCULAR RISK STRATIFICATION BY INTIMA-MEDIA THICKNESS  
A. Crouch, H.F. Fritz, R.V. Jutzy, Loma Linda University, Loma Linda, CA, USA  

19:15  A MOUSE MODEL OF NEOINTIMAL HYPERPLASIA IN RESPONSE TO AORTIC BALLOON INJURY  
L.A. Petrov, P. Hayry, Helsinki University, Helsinki, Finland  

19:30  LEUKOTRIENE-MEDIATED CARDIODEPRESSION BY E. COLI HEMOLYSIN IS MODULATED BY FREE FATTY ACID SUPPLY  
U. Sibelius, R. Benkelmann, M. Buerke, L. Kiss, W. Seeger, F. Grimminger, U. Grandel, Justus-Liebig University, Giessen, Germany
MONDAY, JULY 14, 2003

08:30 – 18:00   Poster Hall

P201:  Poster Session
MOLECULAR CARDIOLOGY, BASIC RESEARCH

INHIBITION OF EXPERIMENTAL THICKENING IN MICE LACKING A NOVEL G-PROTEIN-COUPLED RECEPTOR
T. Tanaka, S. Tsukada, M. Iwai, J. Nishiu, M. Itoh, H. Tomoike, M. Horiuchi, Y. Nakamura, University of Tokyo, Tokyo, Japan

MYOCARDIAL COLLAGEN CHANGES AND EDEMA IN RATS WITH HYPERDYNAMIC SEPSIS
S. Cesar, V. Starc, N. Potocnik, University of Ljubljana, Ljubljana, Slovenia

CIRCULATING ICAM-1, VCAM-1, E-SELECTIN, P-SELECTIN AND TNF-αRII IN PATIENTS WITH CORONARY ARTERY DISEASE
M. Hajilooi, A. Sanati, A. Ahmadian, A. Ghofraniha, A. Massoud, Teheran University of Medical Sciences, Tehran, Iran

POTENTIAL CARDIOPROTECTIVE EFFECTS OF THE EXTRACT OF LEONURI HERBA ON ISCHEMIC MYOCARDIUM IN RATS
J. Sun, K-H. Tan, Y-Z. Zhu, National University of Singapore, Singapore

EVALUATION OF ENHANCED Tc-99M Tetrofosmin Washout by Autoradiography in Cardiomyopathy Hamsters
T.T. Lwin, T. Takeda, J. Wu, Y. Tsuchiya, Y. Itai, Institute of Clinical Medicine, University of Tsukuba, Ibaraki, Japan

P202:  Poster Session
VASCULAR BIOLOGY

TWO-WEEK TREATMENT WITH PRAVASTATIN IMPROVES VENTRICULO-VASCULAR HAEMODYNAMICS IN YOUNG MALE DIABETICS
R.G. Casey, M. Joyce, M.A. Moloney, K. Moore, P. Fitzgerald, C. Thompson, D.J. Bouchier-Hayes, Beaumont Hospital, Dublin, Ireland

DIETARY L-ARGININE SUPPLEMENTATION INHIBITED PLATELET AGGREGATION IN PATIENTS WITH CORONARY ARTERY DISEASE
E.V. Merkulov, A.V. Sozykin, A.U. Nikolaev, Cardiology Research Center, Moscow, Russia

EPICAN FORTE, A MIXTURE OF ASCORBIC ACID, LYSINE, PROLINE, ARGinine, CYSTEINE AND GREEN TEA EXTRACT, SUPPRESSES AUTOCrINE INFLAMMATORY RESPONSE IN CULTURED HUMAN AORTIC SMOOTH MUSCLE CELL
V. Ivanov, S. Ivanova, M.W. Roomi, S.P. Netke, A. Niedzwiecki, M. Rath, Matthias Rath, Inc., Santa Clara, CA, USA
P203: Poster Session  
ECHOCARDIOGRAPHY

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>215</td>
</tr>
<tr>
<td>2</td>
<td>216</td>
</tr>
<tr>
<td>3</td>
<td>217</td>
</tr>
</tbody>
</table>

1. TISSUE DOPPLER IMAGING OF LEFT ATRIAL WALL FOR DETECTION OF PSEUDONORMALIZATION OF MITRAL INFLOW PATTERN  
   H. Yilmaz, I. Demir, O. Sancaktar, Akdeniz University Faculty of Medicine, Antalya, Turkey

2. SYSTOLIC AND DIASTOLIC INDICES IN OBESE AND NON-OBESE PATIENTS WITH END-STAGE RENAL DISEASE  
   D. Doulgerakis, J. Moysakis, Ch. Stathakis, N. Tentolouris, N. Pantazopoulos, M. Psallas, D. Stamatiadis, V. Votteas, N. Katsilampros, Laiko Hospital and University Medical School, Athens, Greece

3. GIANT LEFT ATRIUM (GLA): UNUSUAL CAUSE OF CARDIOMEGALY  
   N. Shaikh, S. Dingle, D. Berger, Mercy Catholic Medical Center, Darby, PA, USA

P204: Poster Session  
DIAGNOSTIC METHODS

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>218</td>
</tr>
<tr>
<td>5</td>
<td>219</td>
</tr>
<tr>
<td>6</td>
<td>220</td>
</tr>
<tr>
<td>7</td>
<td>221</td>
</tr>
<tr>
<td>8</td>
<td>222</td>
</tr>
</tbody>
</table>

4. VESSEL IMAGING BY INTERFEROMETRIC PHASE-CONTRAST X-RAY TECHNIQUE  
   T. Takeda, J. Wu, Y. Tsuchiya, T.T. Lwin, A. Yonoyama, Y. Hirai, Y. Itai, Institute of Clinical Medicine, University of Tsukuba, Ibaraki, Japan

5. COMPARISON OF PET WITH MAGNETOCARDIOGRAPHY IN CORONARY ARTERY DISEASE DIAGNOSIS  
   I. Chaikovsky, C. Berndt, J. Korfer, B. Schrader, B. Yilmatz, D. Horstkotte, SQUID International AG, Essen, Germany

6. HOW USEFUL IS HAND-CARRIED ECHOCARDIOGRAPHY IN DIFFERENTIAL DIAGNOSIS OF CARDIOMEGALY PATIENTS OF EMERGENCY DEPARTMENT  
   S-C. Liu, W-T. Chang, S-Y. Chen, C-H. Huang, H-M. Ma, W-J. Chen, National Taiwan University Hospital, Taipei, Taiwan

7. DIAGNOSIS OF CORONARY ARTERY DISEASE BASED ON MAGNETOCARDIOGRAPHIC DATA IN PATIENTS WITH COMPLETE LEFT OR RIGHT BUNDL BRUNCH BLOCK  
   I. Chaikovsky, M. Primin, S. Auth-Eisernitz, G. Schafer, F. Steinberg, B. Hailer, SQUID International AG, Essen, Germany

8. VALUE OF POSTERIOR LEADS (V7-V9) IN DIAGNOSIS OF POSTERIOR WALL ST SEGMENT ELEVATION MYOCARDIAL INFARCTION  
   A. Rashidi, R. Miri, H. Akbarshahi, Fairview Hospital, Cleveland, Ohio, USA, Iran
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>223</td>
</tr>
<tr>
<td>L.H. Krut, St. Louis University and St. Mary's Health Center, St. Louis, MO, USA</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>224</td>
</tr>
<tr>
<td>M. Kanai, T. TomaruK. Yosinaa, T. Sakurai, K. Aoyagi, T. Hitsumoto, Y. Sugiyama, H. Noike, H. Ohsawa, Y. Uchida, Toho University Hospital at Sakura, Chiba, Japan</td>
<td></td>
</tr>
</tbody>
</table>

**MONDAY, JULY 14, 2003**

**P205: Poster Session**

**HYPERTENSION, BASIC AND CLINICAL**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>225</td>
</tr>
<tr>
<td>M. Sulakvelidze, N.N. Kipshidze, Tbilisi State Medical University, Tbilisi, Georgia</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>226</td>
</tr>
<tr>
<td>E. Umana, W. Ahmed, M.A. Alpert, St. John's Mercy Medical Center, St. Louis, MO, USA</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>227</td>
</tr>
<tr>
<td>R. Zaslavskaja, A. Shakirova, O. Narmanova, N. Bijasilov, L. Makarova, Hospital No. 60, Moscow, Russia</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>228</td>
</tr>
<tr>
<td>K. Vikenes, P. Omvik, Haukeland University Hospital, Bergen, Norway</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>229</td>
</tr>
<tr>
<td>E.V. Shlyakhto, A.Y. GudkovaA.M. Essaian,, E.N. Semernin, N.V. Naydenova, E.V. Smirnova, A.N. Krutikov, A.V. Smirnov, A.S. Rumyantsev, O.V. Voronova, St. Petersburg State Pavlov Medical University, St. Petersburg, Russia</td>
<td></td>
</tr>
</tbody>
</table>
16 ELECTROCARDIOGRAPHIC CRITERIA FOR RIGHT VENTRICULAR HYPERTROPHY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

D.L. Norman, A. Hassankhani, N.S. Sawhney, A. Raisinghani, D.G. Blanchard, University of California, San Diego, CA, USA

17 RIGHT VENTRICULAR DIASTOLIC FUNCTION IN SYSTEMIC SCLERODERMA WITH AND WITHOUT PULMONARY HYPERTENSION

N.J. Pantazopoulos, I. Moyssakis, P. Sfikakis, E. Batzoglou, P. Margos, V. Votteas, Laiko Hospital, Athens, Greece

18 PREVELANCE AND OUTCOME OF PULMONARY HYPERTENSION IN SYSTEMIC SCLEROSIS

N.J. Pantazopoulos, I. Moyssakis, Y. Hallak, D. Papadopoulos, P. Sfikakis, V. Votteas, Laiko Hospital, Athens, Greece
MONDAY, JULY 14, 2003

08:30 – 18:00    Poster Hall

P207:    Poster Session
ARRHYTHMIAS AND ELECTROPHYSIOLOGY

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Poster Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>233</td>
<td>CAN HISTOPATHOLOGICAL EVALUATION OF RESECTED LEFT ATRIAL APPENDAGE DURING SURGICAL TREATMENT FOR ATRIAL FIBRILLATION PROSPECT THE RECURRENCE OF FIBRILLATION</td>
<td>T. Saito, D. Uchida, K. Tamura, K. Yamashita, Y. Sugisaki, Nippon Medical School Hospital, Tokyo, Japan</td>
</tr>
<tr>
<td>20</td>
<td>234</td>
<td>EFFECT OF IV AMIODARONE ON CPR HAEMODYNAMICS AND OUTCOME – EXPERIMENTAL STUDY IN DOGS</td>
<td>S. Timerman, E.F. Paiva, M.B. Perondi, K.B. Kern, R. Berg, L.F. Cardoso, J.A.F. Ramires, Heart Institute (InCor) University of Sao Paulo Medical School, Sao Paulo, Brazil, USA</td>
</tr>
<tr>
<td>21</td>
<td>235</td>
<td>TISSUE REACTION TO THE ENDOCARDIAL PACING ELECTRODE</td>
<td>H. Mase, M. Hotta, A. Hiromoto, S. Hotomi, K. Tamura, Y. Sugisaki, T. Yajima, T. Nitta, S. Tanaka, Nippon Medical School, Tokyo, Japan</td>
</tr>
<tr>
<td>22</td>
<td>236</td>
<td>THE USE OF AN AUTOMATED EXTERNAL DEFIBRILLATOR FOR IN HOSPITAL VENTRICULAR MALIGNANT ARRHYTHMIA</td>
<td>S. Timerman, A.M. Bento, L.F. Cardoso, M.A. Moretti, N.E. Sanadi, J.A.F. Ramires, Heart Institute (InCor) University of Sao Paulo Medical School, Sao Paulo, Brazil, USA</td>
</tr>
<tr>
<td>23</td>
<td>237</td>
<td>SHORT-TERM AND LONG-TERM ANALYSIS OF HEART RATE VARIABILITY IN PATIENTS WITH DEVELOPING POSTINFARCTION LEFT VENTRICULAR ANEURISM</td>
<td>M.E. Krotin, S. Vuletic Petkovic, B. Milovanovic, D. Vukovic, M. Zaja, D. Tatovic Babic, M. Matic, University Hospital &quot;Bezanijska kosa&quot;, Belgrade, Serbia &amp; Montenegro</td>
</tr>
<tr>
<td>24</td>
<td>238</td>
<td>BENEFITS OF A VITAMIN PROGRAM IN ARRHYTHMIA. A RANDOMIZED DOUBLE-BLIND PLACEBO CONTROLLED STUDY</td>
<td>M. Rath, A. Niedzwiecki, Matthias Rath Inc., Santa Clara, CA, USA, The Netherlands</td>
</tr>
<tr>
<td>25</td>
<td>239</td>
<td>SUDS (SUDDEN UNEXPLAINED DEATH SYNDROME) IN THAI POPULATION</td>
<td>W. Taungjaruwinai, V. Wiwanitkit Chulalongkorn University, Bangkok, Thailand</td>
</tr>
<tr>
<td>26</td>
<td>240</td>
<td>ATRIAL FIBRILLATION IN PATIENTS WITH SICK SINUS SYNDROME</td>
<td>N. Burova, B. Tatarsky, Research Institute of Cardiology, St-Petersburg, Russia</td>
</tr>
</tbody>
</table>
MONDAY, JULY 14, 2003

08:30 – 18:00
Poster Hall

P208:  Poster Session
ERECTION DYSFUNCTION AND CORONARY ARTERY DISEASE

Board No.       Abstract No.
27              241

**EFFICACY OF VIAGRA (SILDENAFIL CITRATE) IN MEN WITH ERECTILE DYSFUNCTION AND CORONARY ARTERY DISEASE**

**R.F. DeBusk, C.J. Pepine, I Osterloh, D.B. Glasser, H. DeRiesthal, A.B. Shpilsky, M. Sweeney, Stanford University School of Medicine, Palo Alto, CA, USA, UK**

P209:  Poster Session
MISCELLANEOUS II

29              243

**IMPACT OF PEDIATRIC BASIC LIFE SUPPORT (PBLs) COURSE IN PRIVATE PEDIATRICIAN DOCTOR'S OFFICES**

**S. Timerman, N.E. Sanadi, A.V. Ferreira, E. Garcia, J.A.F. Ramires, Heart Institute (InCor) University of Sao Paulo Medical School, Sao Paulo, Brazil, USA**

30

**CAN ELECTRICAL MUSCLE STIMULATION OF THE LEGS PRODUCE CARDIOVASCULAR EXERCISE?**


**SPINAL CORD STIMULATION: A POTENTIAL THERAPY IN PATIENTS WITH CHRONIC REFRACTORY CORONARY ARTERY DISEASE**

**J. Wolffram, F. Alesch, G. Maurer, University Clinic of Internal Medicine, Vienna, Austria**

**DOES THE ANOMALOUS ORIGIN OF THE LEFT CORONARY ARTERIES FROM THE RIGHT SINUS OF VALSAVA INCREASE MORBIDITY?**

**S.N.C. Makoni, F.H. Madziwa, H.S. Nimeiri, Mercy Catholic Medical Center, Darby, PA, USA**

**DIAGNOSIS OF ATHEROSCLEROSIS USING CAROTID ULTRASONOGRAPHY AND PULSE-WAVE VELOCITY**

**T. Kurosu, T. Ogawa, T. Kon, M. Kataoka, T. Sasaki, N. Arakawa, A. Suzuki, O. Takahashi, Y. Sugiyama, T. Tomaru, Toho University Sakura Hospital, Sakura, Chiba, Japan**
CLINICAL EFFECTS OF SELF-MASSAGE OF PROTECTIVE HEART AND ANTIHYPERTENSION ON QUALITY OF LIFE AND PROINFLAMMATORY CYTOKINE LEVELS IN CHRONIC HEART FAILURE

X.H. Zeng, Y.Y. Li, X.J. Zeng, Y.H. Huang, Y.H. Zeng, Chengdu Second Hospital, Chengdu, Sichuan, China
PL13: Plenary Session
CORONARY ARTERY DISEASE: PREVENTION, DRUG THERAPY, MODIFICATION OF LIPOPROTEINS

Chairperson: C. Rosendorff, Bronx, NY, USA

08:30 GUIDELINES FOR THE PREVENTION OF CORONARY HEART DISEASE: WHAT DOES REALITY LOOK LIKE? FINDINGS FROM GERMANY AND OTHER EUROPEAN COUNTRIES (Invited Lecture) 249
U. Keil, University of Muenster, Muenster, Germany

08:45 BETA BLOCKERS IN ISCHEMIC HEART DISEASE AS “CARDIOPROTECTION” IN THE ERA OF ACE INHIBITION AND RAPID REVASCULARIZATION (Invited Lecture) 250
B.F. Uretsky, University of Texas Medical Branch at Galveston, Galveston, TX, USA

09:00 MANAGEMENT OF STABLE ANGINA: DRUGS, DEVICES, STENTS OR CORONARY BYPASS SURGERY (Invited Lecture) 251
U. Thadani, University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, Oklahoma, USA

09:15 REDUCING CARDIOVASCULAR EVENTS-FOCUS ON NEW TRIALS (Invited Lecture) 252
R. DiBianco, Washington Adventist Hospital, Takoma Park, MD, USA

09:30 STATINS AND STROKE: THE MODE OF ACTION IN STROKE PREVENTION AND THERAPY (Invited Lecture) 253
R. Paoletti, C. Bolega, University of Milan, Milan, Italy

09:45 ROSUVASTATIN: A NEW AND POTENT CHOLESTEROL REDUCING AGENT (Invited Lecture) 254
W.V. Brown, Emory University/Atlanta VAMC, Atlanta, GA, USA

10:00 ATHEROSCLEROSIS REGRESSION BY LIPID LOWERING (Invited Lecture) 255
C. Rosendorff, Mount Sinai School of Medicine, New York, V.A. Medical Center, Bronx, NY, USA

10:15 THE ROLE OF THE MACROPHAGE IN REVERSE CHOLESTEROL TRANSPORT IN VIVO (Invited Lecture) 256
O. Stein, Y. Stein, Hadassah Hebrew University Medical School, Jerusalem, Israel

10:30 PLEIOTROPIC ACTIONS OF STATIN AGENTS INCLUDING APPLICABILITY TO CHF (Invited Lecture) 257
R.S. Wright, Mayo Clinic, Rochester, MN, USA

10:45 NEW UNDERSTANDING OF ATHEROSCLEROSIS: IS THE LIPID THEORY DEBUNKED? (Invited Speaker) 258
W.B. Strawn, C.M. Ferrario, Wake Forest University School of Medicine,
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>ROLE OF MIXED VENOUS OXYGEN SATURATION MEASUREMENT IN ADVANCED HEART FAILURE</td>
<td>G. Bhat, University of Louisville, Jewish Hospital, Louisville, KY, USA</td>
</tr>
<tr>
<td>08:45</td>
<td>THREE-DIMENSIONAL OPTICAL COHERENCE TOMOGRAPHY: APPLICATIONS TO CHICK EMBRYO CARDIAC DEVELOPMENT AND DROSOPHILA MELANOGASTER CIRCULATORY FUNCTION</td>
<td>M.A. Choma, T.M. Yelbuz, L. Thrane, M.L. Kirby, J.A. Izatt, Duke University, Durham, NC, USA, Germany, Denmark</td>
</tr>
<tr>
<td>09:00</td>
<td>EXPERIENCE WITH A NEW BIOLOGICAL VALVE: EARLY AND MID-TERM RESULTS</td>
<td>L.A. Bockeria, B.N. Sabirov, S.B. Zaets, I.I. Kagramanov, I.V. Kokshenev, V.T. Kostava, D.B. Drobot, New Jersey Medical School, Newark, NJ, USA, Russia</td>
</tr>
<tr>
<td>09:15</td>
<td>AFTERLOAD MINIMIZATION IN AORTIC STENOSIS BY LEFT VENTRICULAR DYNAMICS/VALVE ORIFICE MATCHING DURING EJECTION</td>
<td>S. Schouvey, K. Isaaz, University of St. Etienne, St. Etienne, France</td>
</tr>
<tr>
<td>09:30</td>
<td>CYTOKINE RESPONSE POST-CARDIOPULMONARY BYPASS IN CHILDREN UNDERGOING CONGENITAL HEART SURGERY</td>
<td>A. Madhok, V. Haridas, M. Gandhi, V.A. Parnell, K. Ojamaa, D. Chowdhury, Schneider Children’s Hospital, New Hyde Park, NY, USA</td>
</tr>
<tr>
<td>09:45</td>
<td>ECHOCARDIOGRAPHIC CORRELATES OF MITRAL VALVE PROLAPSE AMONG ADULT FILIPINO PATIENTS: PHILIPPINE HEART CENTER EXPERIENCE</td>
<td>F.S. Agno, J. Navarro, A. Junia, E. Collong, R. Jara, Weill Medical College of Cornell University, New York, NY, USA, Philippines</td>
</tr>
<tr>
<td>10:15</td>
<td>FAVOURABLE OUTCOME OF PREGNANCY IN 29 CASES OF EISENMENGER’S SYNDROME</td>
<td>A. Adarsh, V. Mohan, D. Kaur, GOVT Medical College, Amritsar, Punjab, India</td>
</tr>
<tr>
<td>10:30</td>
<td>RISK INDEX AND PREDICTOR OF INTENSIVE CARE UNIT (ICU) MORTALITY AMONG PEDIATRIC PATIENTS AGE 19 &amp; BELOW WITH CHRONIC RHEUMATIC VALVULAR REGURGITATION - A 5-YEAR NONCONCURRENT COHORT STUDY</td>
<td>S.P. Paragas, Philippine Heart Center, Quezon City, Philippines</td>
</tr>
</tbody>
</table>
10:45 IN-VITRO QUANTIFICATION OF FACTORS THAT OVERWHELM LEAFLET COMPENSATORY MECHANISMS FOR MITRAL REGURGITATION IN HEART FAILURE

11:00 INTERVENTION FOR REVASCULARIZATION IN DIABETIC PATIENTS: A COMPARISON OF STENT IMPLANTATION, BALLOON ANGIOPLASTY AND BYPASS SURGERY
T. Sahlev, H. Gilutz, J. Zellinger, G. Sosna, D. Pilpel, I. Reuven, A. Porath, Soroka Medical Center, Beer Sheva, Israel
PL14: Plenary Session
NEW HORIZONS IN THE MANAGEMENT OF HEART FAILURE

Chairpersons: M. Gheorghiade, Chicago, IL, USA
U. Elkayam, Los Angeles, CA, USA

11:15  HOSPITALIZATION FOR HEART FAILURE: PATHOPHYSIOLOGY AND
MANAGEMENT (Invited Lecture)       270
L. Klein, M. Gheorghiade, Northwestern University, Feinberg Medical School,
Chicago, IL, USA

11:30  DECOMPENSATED HEART FAILURE - NEW VERSUS OLD THERAPY
(Invited Lecture)         271
U. Elkayam, University of Southern California, CA, USA

11:45  EXERCISE TRAINING IN PATIENTS WITH CHRONIC HEART FAILURE: WHY,
WHEN AND HOW MUCH? (Invited Lecture)    272
G. Gorge, T. Meyer, Klinikum Saarbrucken, Saarbrucken, Germany

12:00  NEW THERAPEUTIC APPROACHES FOR CONGESTIVE HEART FAILURE
(Invited Lecture)         273
R.C. Bourge, University of Alabama at Birmingham, Birmingham, AL, USA

12:15  TARGETING PHOSPHOLAMBAN AS A THERAPEUTIC MODALITY IN HEART
FAILURE (Invited Lecture)  274
E.G. Kranias, University of Cincinnati, Cincinnati, OH, USA

12:30  NEW THERAPIES FOR HEART FAILURE (Invited Lecture)  275
R.E. Hobbs, Cleveland Clinic Foundation, Cleveland, OH, USA

12:45  THE MANAGEMENT OF HEART FAILURE IN 2003 - PEARLS AND PITFALLS
(Invited Lecture)         276
M.R. Johnson, University of Wisconsin Medical School, Madison, WI, USA

13:00  THE EVOLVING ROLE OF ULTRAFILTRATION THERAPY FOR THE
DECOMPENSATED HEART FAILURE PATIENT: NOT JUST FOR THE
NEPHROLOGIST ANYMORE (Invited Lecture)  277
M. Saltzberg, J. Pouliot, Midwest Heart Specialists, Downers Grove, IL, USA

13:15  IS PALLIATIVE CARE USEFUL FOR PATIENTS WITH SEVERE HEART FAILURE
H. J Geschwind, University of Paris XII, Sceaux, Cretiel, France 173

13:30  VASCULAR SMOOTH MUSCLE CELL APOPTOSIS IN AORTIC DISEASES: ROLE
OF ANGIOTENSIN II SIGNALING VIA ANGIOTENSIN II TYPE 2 RECEPTOR 278
H. Nagashima, Y. Sakomura, Y. Aoka, S. Aomi, H. Kasanuki, Tokyo Women's Medical University, Tokyo, Japan

13:45

DOES CHRONIC ACE-INHIBITOR ADMINISTRATION AFFECT INCIDENCE OF CONTRAST NEPHROPATHY IN PATIENTS WITH PRE-EXISTING RENAL INSUFFICIENCY UNDERGOING CORONARY ANGIOGRAM? A RETROSPECTIVE ANALYSIS

D. Kamra, E. Huang, K. Ranganna, J. Lee, H. Fisher, B. Cuhaci, Z. Ahmed, Hahnemann University Hospital, Philadelphia, PA, USA
TUESDAY, JULY 15, 2003

11:15 – 13:45 Columbia C

Session

MODIFICATION OF RISK FACTORS AND CAD, DYSLIPOPROTEINEMIA, DIABETES MELLITUS, SECONDARY PREVENTION

Chairpersons: Y. Charuzi, Los Angeles, CA, USA

M. Motro, Tel Aviv, Israel

Abstract No.

11:15 CORONARY ARTERY BYPASS GRAFTING (CABG)- OUTCOMES IN PATIENTS WITH HISTORY OF ILLICIT DRUG USE

P. Misra, P.C. Reddy, G.C. Caldito, M.C. Mancini, Louisiana State University Health Sciences Center, Shreveport, LA, USA

11:30 EFFECTIVENESS OF MULTIDISCIPLINARY PATIENT COUNSELLING IN REDUCING CARDIOVASCULAR DISEASE RISK FACTORS THROUGH NON-PHARMACOLOGICAL INTERVENTION: RESULTS FROM THE HEALTHY HEART PROGRAM

D.R. Simpson, B.G. Dixon, P. Bolli, Hotel Dieu Health Sciences Hospital, St. Catharines, Ontario, Canada

11:45 IMPACT OF INTENSIVE CORONARY ARTERY DISEASE MANAGEMENT ON MEDICATION ADHERENCE AND CLINICAL OUTCOMES

L. Houston-Feenstra, R.V. Jutzy, K. Jutzy, L. Lianov, S. Lee, S. Dyer, Loma Linda University Medical Center, Loma Linda, CA, USA

12:00 STATINS NORMALIZE ACUTE REDUCTION IN ANTIBODIES TO MDA MODIFIED LDL AFTER A POLYUNSATURATED FATTY MEAL

M.T. Harris, G. Saliashvili, W.W. Davis, N.A. Le, M. Moussa, W.V. Brown, Emory University School of Medicine, Atlanta, GA, USA

12:15 LEVEL OF ADHERANCE TO NCEP ATP III GUIDELINES – ARE WE DOING IT RIGHT?

S.R. Punnam, Crozer Chester Medical Center, Temple University, Philadelphia, PA, USA

12:30 SECONDARY RISK FACTORS IN CARDIAC SURGERY

P.C. Shah, W.J. Davis III, M. Vaynblat, M. Chaviarelli, R. Fazylov. J.N.Cunningham Jr, Maimonides Medical Center, SUNY Health Science Center, Brooklyn NY, USA

12:45 SIMVASTATIN TREATMENT IMPROVES ARTERIAL COMPLIANCE IN THE THIGH IN TWO MONTHS IN HIGH RISK PATIENTS
13:00  INSULIN IMPROVES ISCHEMIA-REPERFUSED CARDIOMYOCYTE CONTRACTILE FUNCTIONAL RECOVERY: KEY ROLE OF AKT

**G. Saliashvili, M.T. Harris, W.W. Davis, N.A. Le, W.V. Brown, Emory University of Medicine, Atlanta, Atlanta VA Medical Center, Decatur, GA, USA**

**F. Gao, B. Zhang, H.F. Zhang, B.L. Lopez, T.A. Christopher, X.L. Ma,** Fourth Military Medical University, Xian, China, USA

*S56: (Continued)*

13:15  ANTI-ISCHEMIC EFFECT OF TRIMETAZIDINE IN DIABETIC PATIENTS WITH CORONARY ARTERY DISEASE

**G.M.C. Rosano, C. Vitale, B. Sposato, M. Fini, S. Chierchia, San Raffaele Roma, Rome, Italy**

13:30  COMPUTERIZED COMMUNITY CHOLESTEROL CONTROL (4C): AN EFFECTIVE MASSIVE SECONDARY PREVENTION INTERVENTION

**H. Gilutz, J. Zelingher, Y. Henkin, D.Y. Bonneh, Z. Liss, R. Peleg, M. Mayslus, R. Ilia, D. Vardy, A. Porath, Soroka Medical Center, Beer Sheva, Israel**
### P301: Poster Session
#### DRUG THERAPY IN ISCHEMIC HEART DISEASE

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>290</td>
<td>SIMILAR EFFICACY AND LOWER POTENCY OF MIBEFRADIL THAN OF LACIDIPIN AND NITRENDIPINE IN DECREASING KCL-INDUCED CONTRACTIONS OF ISOLATED PORCINE CORONARY ARTERY IN POST-HYPOXIC CONDITIONS</td>
<td>M. Arh, M.V. Budihna, University of Ljubljana, Ljubljana, Slovenia</td>
</tr>
<tr>
<td>2</td>
<td>291</td>
<td>COMPARATIVE EFFICACY OF THERAPY WITH ALTIAZEM RR AND DILREN IN ELDERLY PATIENTS WITH ISCHEMIC HEART DISEASE, STENOCARFIA, FUNCTIONAL CLASSES II-III</td>
<td>R. Zaslavskaya, G. Dilmagambetova, Hospital No. 60, Moscow, Russia</td>
</tr>
<tr>
<td>3</td>
<td>292</td>
<td>ACE-INHIBITORS AND B-BLOCKERS: COMPARISON OF THEIR EFFECT ON QT DISPERSION IN PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION</td>
<td>H. Jain, N. Shaikh, M. Mathew, Mercy Catholic Medical Center, Darby, PA, USA</td>
</tr>
</tbody>
</table>

### P302: Poster Session
#### LEFT VENTRICULAR REMODELING AFTER MI

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>293</td>
<td>SUBCLINICAL ISHEMIC CHANGE OF MYOCARDIUM: LEFT VENTRICULAR GEOMETRY IN PATIENTS WITH FIRST UNSTABLE ANGINA PECTORIS</td>
<td>M.R. Babaskiene, J. Janenaite, D. Luksiene, B. Slapikiene, R. Grybauskienė, P. Grybauskas, R. Cerniauskiene, Kaunas University of Medicine, Kaunas, Lithuania</td>
</tr>
</tbody>
</table>
P303: Poster Session
SECONDARY PREVENTION, PROGNOSIS, RISK STRATIFICATION

Board No. | Abstract No.
--- | ---
5 | 294

5. PLEIOTROPIC EFFECT OF ATORVASTATIN IN PATIENTS WITH ATHEROSCLEROSIS
   **N.N. Kipshidze**, I. Petriashvili, M. Sulakvelidze, National Center of Therapy, Tbilisi, Georgia

6. ASSOCIATION OF CHLAMYDIA PNEUMONIAE DETECTION IN THE HUMAN AORTIC WALL AND EXTENT OF ATHEROSCLEROTIC DISEASE

7. CLINICAL EVENTS IN HEART DISEASE PATIENTS WITH LOW LEFT VENTRICULAR EJECTION FRACTION: 3 YEAR FOLLOW-UP RESULTS
   **M.C. Elliott-Eller**, G. Weidner, C. Pischke, R.O. Marlin, M. Li, N. Mendell, L. Lipsenthal, R. Finkel, D.M. Ornish, Preventive Medicine Research Institute, Sausalito, CA, USA

8. PERIOPERATIVE DETERMINANTS OF MORBIDITY AND MORTALITY IN ELDERLY HYPERTENSIVE PATIENTS UNDERGOING NON-CARDIAC SURGERY
   **J.S.A. Capunitan**, J.R.G. Torres R.E. Ramboyong, E.V.S. Caguioa, UST Hospital, Manila, Philippines

9. HEART RATE VARIABILITY, ANXIETY AND DEPRESSION AFTER A CARDIAC REHABILITATION PROGRAM
   **A.R. Leal**, C.A. Paiva, F.M. Ferreira, J.L. Gomes, HGSA, Porto, Portugal

10. HIGH RISK CORONARY PATIENTS - IS SELF PERCEPTION OF HEALTH THE MOST IMPORTANT FACTOR CONTRIBUTING TO IMPROVEMENT OF QUALITY OF LIFE AFTER SURGERY?
    **B.B. Mihajlovic**, M.M. Potic, Z.R. Potic, M.A. Popov, D.J. Jakovljevic, N.D. Radovanovic, University Clinic of Cardiovascular Surgery, Sremska Kamenica, Vojvodina, Serbia & Montenegro

11. QUALITY OF LIFE FIVE YEARS AFTER CORONARY SURGERY
    **B.B. Mihajlovic**, M.M. Potic, Z.R. Potic, M.A. Popov, D.J. Jakovljevic, N.D. Radovanovic, University Clinic of Cardiovascular Surgery, Sremska Kamenica, Vojvodina, Serbia & Montenegro
THE SOCIO-DEMOGRAPHIC PROFILES OF ACUTE CORONARY SYNDROME AND THEIR CORRELATION WITH PRE-HOSPITAL DELAY AND CLINICAL OUTCOME

R.T. Tibayan, P.E. Ramboyong, E.V.S. Caguioa, University of Santo Tomas Hospital, Manila, Philippines

THE POSTPRANDIAL LIPEMIA, OXIDATIVE SUSCEPTIBILITY OF LOW DENSITY LIPOPROTIN IN PATIENTS WITH CORONARY HEART DISEASE

B. Zhao, J. Zhang, W. Li, L. Liu, Tianjin Heping Hospital of Traditional Chinese Medicine, Tianjin, China
**P304: Poster Session**  
**MODIFICATION OF LIPOPROTEINS AND CORONARY ARTERY DISEASE**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors and Affiliations</th>
</tr>
</thead>
</table>

**P305: Poster Session**  
**DIABETES AND HEART DISEASE**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors and Affiliations</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>305</td>
<td>ACE GENE AND LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WITH DIABETES MELLITUS TYPE 2</td>
<td>K. Puzyrev, O. Koshelskaya, T. Kosyankova, E. Efimova, A. Falkovskaya, Research Institute of Cardiology, RAMS, Tomsk, Russia</td>
</tr>
<tr>
<td>17</td>
<td>306</td>
<td>TRIMETAZIDINE IMPROVES LEFT VENTRICULAR FUNCTION IN DIABETIC PATIENTS WITH CORONARY ARTERY DISEASE</td>
<td>G.M.C. Rosano, C. Vitale, B. Sposato, M. Fini, S. Chierchia, San Raffaele Roma, Rome, Italy</td>
</tr>
<tr>
<td>18</td>
<td>307</td>
<td>EFFECTS OF BERBERINE ON TNF-ALPHA AND ACTIVITY OF ALDOSE REDUCTASE IN TYPE 2 DIABETIC NEPHROPATHY</td>
<td>X.H. Zeng, Y.Y. Li, X.J. Zeng, Chengdu Second People’s Hospital, Chengdu, Sichuan, China</td>
</tr>
</tbody>
</table>
P306: Poster Session
PRIMARY PREVENTION OF CORONARY ARTERY DISEASE

19 THE EFFECT OF THE COMBINATION OF MEDITERRANEAN DIET AND LEISURE TIME PHYSICAL ACTIVITY ON THE RISK OF DEVELOPING ACUTE CORONARY SYNDROMES, IN HYPERTENSIVE SUBJECTS: THE CARDIO2000 STUDY

20 EFFECT OF ARTIFICIAL FIBER COMPLEXES ON LIPID METABOLISM IN HYPERCHOLESTEROLEMIC RATS
B. Zhao, L. Liu, W. Li, Tianjin Heping Hospital of Traditional Chinese Medicine, Tianjin, China

21 RELATIONSHIP OF ADVERSE DIET, ANTHROPOMETRY AND PHYSICAL ACTIVITY TO HYPERLIPIDEMIA IN ADOLESCENTS AND YOUNG ADULTS
R. Sharma, A. Chatterjee, K.K. Talwar, R.M. Pandey, R. Guleria, V. Dhingra, K. Rastogi, A. Misra, All India Institute of Medical Sciences, New Delhi, India

22 FACTORS AND RISK ESTIMATION OF CORONARY HEART DISEASE IN "HEALTHY" POPULATION
M.I. Kelmendi, R.H. Bejiqi, University Children's Hospital, Prishtina, UNMIK, Kosova, Albania

23 CORRELATION BETWEEN THE PREVALENCE OF CONVENTIONAL AND PSYCHOLOGICAL RISK FACTORS
P.I. Kikeli, Z.P. Preg, P.M. Polinger Hubatsch, M.F. Fejer, University of Medicine and Pharmacy, Targu Mures, Romania

24 PREVALENCE OF CORONARY ARTERY DISEASE RISK FACTORS IN A SAMPLE POPULATION OF IRANIAN MEDICAL STUDENTS IN 3 TEHRAN UNIVERSITY HOSPITALS DURING THEIR INTERNSHIP DURING THE YEAR 2001
M.J. Mahmoodi A. Ahmadvand, E. Nematipoor, N. Karimi, , Tehran University of Medical Sciences, Tehran, Iran

25 HYPERTENSION: A PREVENTION PROGRAM FOR IMMIGRANT TURKISH WOMEN
M. Hochleitner, Innsbruck University Hospital, Austria

26 LIPOPROTEIN(A) IS PREDICTIVE OF ANGIOGRAPHIC DISEASE IN YOUNG WOMEN BUT NOT IN YOUNG MEN
K.O. Akosah, A.M. Schaper, S.I. Barnhart, S.M. Devine, Gundersen Lutheran, La Crosse, WI, USA
P307:  Poster Session
NATRIURETIC PEPTIDES

Board No.                  Abstract No.
27  RELATION OF BRAIN NATRIURETIC PEPTIDE AND QTC PROLONGATION AFTER ACUTE CORONARY SYNDROMES  316
R. Zaliunas, J. Blushes, R. Grybauskiene, D. Karciauskaite, I. Bluzhatie, G. Urbonaviciene, P. Grybauskas, J. Janenaite  Kaunas University of Medicine, Kaunas, Lithuania

P308:  Poster Session
DILATED CARDIOMYOPATHY: VARIOUS ETIOLOGIES

28  DIFFERENCES IN PROGNOSIS IN PATIENTS WITH ALCOHOLIC AND IDIOPATHIC DILATED CARDIOMYOPATHY  317

29  CARDIAC - RELATED TOXOCARIASIS; REVIEW OF THE LITERATURE  318
W. Taungjaruwinai, Chulalongkorn University, Bangkok, Thailand

30  CARDIAC - RELATED SALMONELLA INFECTION IN THAILAND; AN OVERVIEW OF DOCUMENTED CASES  319
W. Taungjaruwinai, V. Wiwanitkit, Chulalongkorn University, Bangkok, Thailand

31  TACHYCARDIA MEDIATED CARDIOMYOPATHY AND SUDDEN CARDIAC DEATH SECONDARY TO WOLFF-PARKINSON-WHITE SYNDROME  320
D. Kamra, R. Pareek, B. Kantharia, F. Padder, Aurora Sinai Medical Center, Milwaukee, WI, USA

32  DILATED CARDIOMYOPATHY: THE EFFECT OF CLINICAL AND BIOCHEMICAL PARAMETERS IN THE SURVIVAL OF PATIENTS WITH CONGESTIVE HEART FAILURE HOSPITALISED IN A SUB-SAHARAN TERTIARY FACILITY  321
J.N.A. Ajuluchukwu, A.C. Mbakwem, F.A. Daniel, University of Lagos, Lagos, Nigeria
P309: Poster Session
LEFT VENTRICULAR HYPERTROPHY AND HYPERTROPHIC CARDIOMYOPATHY

33 ENHANCED BLOOD PRESSURE VARIABILITY IN NORMOTENSIVE MICE CAUSES CARDIAC HYPERTROPHY AND DIASTOLIC DYSFUNCTION
P. Martinka, P.B. Persson, A. Patzak, H.M. Stauss, Humboldt University (Charite), Berlin, Germany, USA

34 MECHANISMS UNDERLYING CARDIAC DYSFUNCTION IN HEART FAILURE DUE TO VOLUME OVERLOAD
E. Cantor, A. Babick, S. Rathi, X. Yao, W. Zhang, R. Temsah, E. Sentex, N.S. Dhalia, T. Netticadan, University of Manitoba, Winnipeg, MB, Canada

35 HYPERTROPHIC CARDIOMYPATHY: THE LAGOS UNIVERSITY TEACHING HOSPITAL EXPERIENCE
A.C. Mbakwem, D.A. Oke, J.N.A. Ajuluchukwu, College of Medicine, University of Lagos, Nigeria*

36 PATHOLOGICAL CHARACTERISTICS OF SCAR FORMATION AFTER PERCUTANEOUS TRANSLUMINAL SEPTAL MYOCARDIAL ABLATION
K. Tamura, S. Ono, M. Takayama, H. Yoshida, Y. Sugisaki, Nippon Medical School, Tokyo, Japan

37 LONG TERM FOLLOW UP OF 147 CASES OF HYPERTROPHIC CARDIOMYOPATHY (HCM)
K. Adarsh, S.P. Singh, A. V. Mohan, Govt Medical College/G.N.D. Hospital, Amritsar, Punjab, India

P310: Poster Session
PHARMACOTHERAPY

38 CARDIOTOXICITY INDUCED BY DIGITALIS COMPOUNDS PRODUCES APOPTOSIS IN GUINEA PIGS CARDIOMYOCYTES

39 CLINICAL AND HAEMODYNAMIC IRBESARTAN EFFECTS ON PATIENTS WITH ACUTE MYOCARDIAL INFARCTION, COMPLICATED WITH HEART FAILURE PROGRESSION
S.R. Dadashzade, I.I. Knyazkova, Institute of Therapy of AMS of Ukraine, Kharkov, Ukraine

40 POSTINFARCTION LEFT VENTRICULAR REMODELLING: IMPACT OF IRBESARTAN
L.T. Malaya, S.R. Dadashzade, I.I. Knyazkova, Institute of Therapy of AMS of Ukraine, Kharkov, Ukraine
P311: Poster Session

MISCELLANEOUS

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>330</td>
<td>CHANGES OF VASOACTIVE AND INFLAMMATORY FACTORS, MYOCARDIAL INJURY MARKERS DURING AND AFTER CARDIOPULMONARY BYPASS AND OFF-PUMP SURGERY</td>
<td>L. Szekely, Z. Sikos, B. Soltesz, L. Bodrics, K. Matyas, F. Horkay, Gottsegen Hungarian Institute of Cardiology, Budapest, Hungary</td>
</tr>
<tr>
<td>42</td>
<td>331</td>
<td>MAGNETOCARDIOGRAPHIC MAPPING IN PATIENTS WITH TRANSPLANTED HEARTS IN COMPARISON TO THOSE WITH CORONARY ARTERY DISEASE AND TO HEALTHY VOLUNTEERS</td>
<td>M. El-Arousi, I. Chaikovsky, H. Koertke, G. Tenderich, K. Minami, D. Seifert, M. Morshuis, L. Arusoglu, R. Korfer, SQUID International AG, Essen, Germany</td>
</tr>
<tr>
<td>43</td>
<td>332</td>
<td>LEFT ATRIAL SYSTOLIC FUNCTION IN MEDITERRANEAN ANEMIA AND PRESERVED LEFT VENTRICULAR SYSTOLIC FUNCTION</td>
<td>N.J. Pantazopoulos, I. Moyssakis, M. Kouli, P. Margos, D. Papadopoulos, V. Votteas, D. Loukopoulos, &quot;Laiko&quot; Hospital, Athens, Greece</td>
</tr>
<tr>
<td>44</td>
<td>333</td>
<td>MAGNETOCARDIOGRAPHY IN THE HEART DISEASE WITH A NEW SYSTEM IN AN UNSHIELDING SETTING</td>
<td>B. Hailer, I. Chaikovsky, S. Auth-Eisernitz, G. Schafer, F. Steinberg, D. Gronemeyer, Catholic Hospital &quot;Philippusstift&quot;, Essen, Germany</td>
</tr>
<tr>
<td>45</td>
<td>334</td>
<td>ACLS TRAINING: COMPARISON OF BRAZILIAN VS NORTH AMERICAN STUDENT RESPONSES</td>
<td>S. Timerman, K.B. Kern, E.F. Paiva, D. Ferreira, J.A.F. Ramires, R.A. Berg, B. Monroe, Heart Institute (InCor) University of Sao Paulo Medical School, Sao Paulo, Brazil, USA</td>
</tr>
<tr>
<td>46</td>
<td>335</td>
<td>EFFECTS IN CHANGES OF FREQUENCY AND DURATION OF EXTERNAL CARDIAC COMPRESSIONS</td>
<td>S. Timerman, L.F. Cardoso, R.B. Ramos, A.M. Bento, H. Halperin, K.B. Kern, J.A.F. Ramires, Heart Institute (InCor) University of Sao Paulo Medical School, Sao Paulo, Brazil, USA</td>
</tr>
<tr>
<td>47</td>
<td>336</td>
<td>REPRODUCIBILITY OF EA/AA RATIO OF SPECTRAL DOPPLER ARTIFACTS</td>
<td>N.J. Nelassov, Rostov-on-Don State Medical University, Rostov-on Don, Russia</td>
</tr>
</tbody>
</table>
P311: (Continued)

48 NON-INVASIVE ASSESSMENT OF ENDOTHELIAL FUNCTION IN HEART FAILURE

V.S. Nikiforov, A.S. Svistov Medico-Military Academy, St. Petersburg, Russia

49 FREE-FLOATING THROMBUS IN THE RIGHT HEART: ROLE OF ECHOCARDIOGRAM AND THROMBOLYTIC THERAPY

R. Pareek, D. Kamra, B. Jaar, R. Verma, D. Rolston, MCP/Hahnemann University-Graduate Hospital, Philadelphia, PA, USA

50 AN UNUSUAL LEFT ATRIAL MASS

F.H. Madziwa, S.N.C. Makoni, Mercy Catholic Medical Center, Darby, PA, USA