

Scientific Program  
SUNDAY, JULY 13, 2003

SUNDAY, JULY 13, 2003

---

09:00 - 09:30

Columbia B

---

**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:**

Abstract No.

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        38  
**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

Abstract No.

- |       |  |   |
|-------|--|---|
| 10:45 | UNRAVELING THE MYOCARDIAL INTERSTITIUM IN HEART FAILURE: MECHANISMS AND PROSPECTS FOR THERAPY (Invited Lecture)<br><b>F.G. Spinale</b> , Medical University of South Carolina, Charleston, SC, USA   | 1 |
| 11:00 | PROTEIN KINASE C AND THE PROGRESSION OF CARDIAC DISEASE (Invited Lecture)<br><b>P. Buttrick</b> , University of Illinois at Chicago, Chicago, IL, USA  | 2 |
| 11:15 | UPREGULATION OF BETA-ADRENORECEPTOR SIGNAL TRANSDUCTION IN HEART FAILURE DUE TO VOLUME OVERLOAD (Invited Lecture)<br><b>N. Dhalla</b> , University of Manitoba, Winnipeg, MB, Canada   | 3 |
| 11:30 | MODULATION OF MATRIX METALLOPROTEINASE EXPRESSION BY CYTOKINES IN ACUTE VIRAL MYOCARDITIS (Invited Lecture)<br><b>M. Pauschinger</b> , University Hospital Benjamin Franklin, Free University Berlin, Berlin, Germany  | 4 |
| 11:45 | SARCOPLASMIC RETICULUM FUNCTION IN HEART FAILURE DUE TO VOLUME OVERLOAD (Invited Lecture)<br><b>T. Netticadan</b> , St. Boniface General Hospital Research Centre, University of Manitoba, Winnipeg, MB, Canada  | 5 |
| 12:00 | AUTOLOGY BONE MARROW: RESULTS OF CLINICAL STUDY (Invited Lecture)<br><b>R. Waksman</b> , Washington Cardiology Center, Washington DC, USA  | 6 |
| 12:15 | SAFETY AND FEASIBILITY OF AUTOLOGOUS MYOBLAST TRANSPLANTATION IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY: RESULTS FROM THE UNITED STATES EXPERIENCE (Invited Lecture)<br><b>N. Dib</b> , Arizona Heart Institute, Phoenix, AZ, USA  | 7 |
| 12:30 | INTRAVENOUS MESENCHYMAL STEM CELLS ATTENUATE LEFT VENTRICULAR REMODELING IN A PORCINE MODEL OF REPERFUSED ACUTE MYOCARDIAL INFARCTION (Invited Lecture)<br>M.J. Price, M. Franzten, S. Kar, D. McClean, S. Guo, P.K. Shah, M/ Lill, J. Forrester, B.J. Martin, <b>R. Makkar</b><br>Cedars Sinai Medical Center, Los Angeles, CA, USA | 8 |

PL01 (continued)

Abstract No.

- |       |  |    |
|-------|--|----|
| 12:45 | REAL-TIME MRI FOR THE DELIVERY AND SURVEILLANCE OF MESENCHYMAL STEM CELLS AFTER RECENT ACUTE MYOCARDIAL INFARCTION IN SWINE (Invited Lecture)<br><b>R.J. Lederman</b> , National Heart, Lung and Blood Institute, NIH Bethesda, MD, USA  | 9  |
| 13:00 | OPTIONS FOR NO-OPTION PATIENTS: COMPLEX INTERVENTIONS, ANGIOGENESIS/MYOGENESIS (Invited Lecture)<br><b>R.J. Laham</b> , Angiogenesis Research Center, Harvard Medical School, Boston, MA, USA  | 10 |
| 13:15 | ATHEROSCLEROTIC LESION ALTERATIONS DUE TO THE TRANSGENIC OVEREXPRESSION OF HUMAN GELATINASE B (MMP-9) IN APOE KNOCKOUT MICE<br><b>V. Lemaitre</b> , Y. Okada, J. D'Armiento, Columbia University, New York, NY, USA, Japan   | 11 |
| 13:30 | INHIBITION OF ACTIVATED MONOCYTES: POTENTIAL ROLE IN THE ANTI-THROMBOTIC AND ANTI-INFLAMMATORY ACTIVITY OF NCX-4016 (NO ASPIRIN)<br>P. Minuz, A. Mencarelli, A. Meneguzzi, A. Lechi, A. Morelli, P. Del Soldato, <b>S. Fiorucci</b> , University of Verona, Verona, Italy, France, USA | 12 |

SUNDAY, JULY 13, 2003

10:45 – 13:15

Columbia B

**PL02: Plenary Session**

**ACUTE CORONARY SYNDROMES, ACUTE MYOCARDIAL  
INFARCTION, ANTITHROMBOTIC THERAPY**

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

|       |  | Abstract No. |
|-------|--|--------------|
| 10:45 | USE OF AN 80-LEAD BODY MAP TO DETECT ACUTE ST-ELEVATION MYOCARDIAL INFARCTION (Invited Lecture)<br><b>J.P. Ornato</b> , Virginia Commonwealth University, Richmond, VA, USA  | 13           |
| 11:00 | ROLE OF P-SELECTIN ANTAGONISTS IN ACUTE MYOCARDIAL INFARCTION (Invited Lecture)<br><b>J-F Tanguay</b> , Montreal Heart Institute, Montreal, Quebec, Canada   | 14           |
| 11:15 | ACUTE CORONARY SYNDROMES: DIAGNOSTIC CHALLENGES AND THERAPEUTIC OPTIONS (Invited Lecture)<br><b>O. Abdel Aziz</b> , Egyptian Society of Atherosclerosis, Cairo, Egypt  | 15           |
| 11:30 | ANTITHROMBOTIC THERAPY FOR PATIENTS WITH HEART FAILURE: BLOCKING PLATELETS AND FIBRIN FORMATION (Invited Lecture)<br><b>J.H. Chesebro</b> , Mayo Clinic Jacksonville, Jacksonville, FL, USA  | 16           |
| 11:45 | MODERN DEVELOPMENTS OF THROMBOLYTIC THERAPY IN ACUTE MYOCARDIAL INFARCTION (Invited Lecture)<br><b>H.M. Hoffmeister</b> , Stadtisches Klinikum Solingen, Germany   | 17           |
| 12:00 | ACUTE CORONARY SYNDROMES & DUAL ORAL ANTIPLATELET THERAPY IN 2003 (Invited Lecture)<br><b>J.G. Canto</b> , University of Alabama at Birmingham, AL, USA  | 18           |
| 12:15 | SILENT INFARCTION AND ISCHEMIA: REVISITED IN 2003<br><b>S. Stern</b> , 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)<br><b>S-C. Lin</b> , Lin Heart Clinic, Tainan, Taiwan  | 19           |
| 12:45 | INFARCT-RELATED ARTERY OCCLUSION AND APOPTOSIS EARLY AND LATE AFTER ACUTE MYOCARDIAL INFARCTION<br><b>A. Abbate</b> , G.G.L. Biondi-Zoccai, R. Bussani, D. Camilot, A.M. Leone, Q. Parisi, L.M. Biasucci, F. Silvestri, F. Baldi, A. Baldi, Catholic University, Rome, Italy | 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

SUNDAY, JULY 13, 2003

10:45 – 13:30

Columbia C

| <b>S51: Session</b>                              |  |              |
|--|--|--------------|
| <b>HYPERTROPHIC AND DILATED CARDIOMYOPATHIES</b> |  |              |
|  | Chairperson: <b>C-Y. Lui</b> , Tucson AZ, USA<br><b>B.F. Uretsky</b> , Galveston, TX, USA  |              |
|  |  | Abstract No. |
| 10:45  | AN AMBIVALENCE BETWEEN PREVENTED CARDIAC HYPERTROPHY AND CARDIAC RUPTURE AFTER MYOCARDIAL INFARCTION IN THE TARGETED DELETION OF ANGIOTENSIN II TYPE 2 RECEPTOR<br><b>T. Senbonmatsu</b> , S. Ichihara, O. Watanabe, T. Saito, E. Price, T. Inagami, Vanderbilt University, Nashville, TN, USA                         | 22           |
| 11:00  | NT-PROBNP LEVELS AMONG PATIENTS WITH B-THALASSAEMIA MAJOR<br>E. Papasteriadis, <b>G.P. Pavlakis</b> , K. Bouki, K. Kostopoulos, M. Drosou, D. Vini, E. Konstantellou, General Hospital of Nikea, Pireaus, Greece   | 23           |
| 11:15  | TRANSCRIPTIONAL ANALYSIS OF DOXORUBICIN CARDIOTOXICITY<br><b>X. Yi</b> , R. Bekeredjian, R.V. Shohet, University of Texas Southwestern Medical Center, Dallas, TX, USA   | 24           |
| 11:30  | CHRONIC HEART FAILURE WITH LEFT VENTRICULAR SYSTOLIC DYSFUNCTION – DIAGNOSTIC IMPORTANCE OF PLASMA SEMICARBAZIDE-SENSITIVE AMINE OXIDASE<br><b>L. Menezes Falcao</b> , F. Pinto, F. Veiga, L. Ravara, P.A. van Zwieten, University Hospital Santa Maria, Lisboa, Portugal, The Netherlands                             | 25           |
| 11:45  | CORONARY ARTERY DISEASE AND ASYMMETRIC SEPTAL HYPERTROPHY<br><b>V.A. Kutznetsov</b> , I.P. Zyrianov, G.V. Kolunin, 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                                | 26           |
| 12:00  | EFFECT OF TRIMETAZIDINE IN ELDERLY PATIENTS WITH ISCHEMIC DILATED CARDIOMYOPATHY<br><b>G.M.C. Rosano</b> , C. Vitale, B. Sposato, M. Fini, S. Chierchia, San Raffaele Roma, Roma, Italy  | 27           |
| 12:15  | INFLUENCE OF INTER- PAPILLARY DISTANCE ON MITRAL REGURGITATION IN NORMAL AND MYOPATHIC HEARTS: IMPLICATIONS FOR VENTRICULAR GEOMETRY RESTORATION<br><b>V. Vijay</b> , B. Kolanuvada, V. Jorapur, A. Nellutla, S. Dommaraju, K. Kalpatapu, K. McCusker, M. Sarabu, E. Zias, New York Medical College, Valhalla, NY, USA | 28           |
| 12:30  | NATRIURETIC PEPTIDES AS PREDICTORS OF CLINICAL COURSE IN PATIENTS WITH END-STAGE HEART FAILURE<br><b>E.V. Potapov</b> , F.D. Wagner, F. Hennig, C. Mueller, R. Michael, H. Lehmkuhl,   | 29           |



R. Hetzer, Deutsches Herzzentrum Berlin, Germany

**S51**(continued)

|       |  | Abstract No. |
|-------|--|--------------|
| 12:45 | THE PROGNOSTIC VALUE OF THE THERAPEUTIC INTERVENTION SCORING SYSTEM IN CONGESTIVE HEART FAILURE PATIENTS<br><b>J.O. Mercado</b> , R.E. Ramboyong, M.P. San Gabriel, E.S. Caguoia,<br>University of Santo Tomas Hospital, Manila, Philippines                                 | 30           |
| 13:00 | COMPARATIVE EFFECTS OF LOSARTAN VS FOSINOPRIL ON EFFECTS ON MORTALITY AND QUALITY OF LIFE IN SEVERE ISCHEMIC HEART FAILURE WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE<br><b>X.H. Zeng</b> , Y.Y. Li, X.J. Zeng, Chengdu Second People's Hospital,<br>Chengdu, Sichuan, China | 31           |
| 13:15 | CHRONIC HEART FAILURE WITH LEFT VENTRICULAR SYSTOLIC DYSFUNCTION – IMPORTANCE OF SOME NEUROHORMONAL FACTORS<br><b>L. Menezes Falcao</b> , F. Pinto, F. Veiga, L. Ravara, P.A. van Zwieten,<br>University Hospital Santa Maria, Lisboa, Portugal, The Netherlands             | 32           |

SUNDAY, JULY 13, 2003

14:00 – 16:00

Columbia A

---

| PL03  | Plenary Session<br>ARRHYTHMIAS I: SUDDEN CARDIAC DEATH / CARDIOPULMONARY<br>RESUSCITATION / IMPLANTABLE ANTIARRHYTHMIC DEVICES  |              |
|-------|---|--------------|
|       | Chairperson: <b>G.A. Ewy</b> , Tucson AZ, USA   | Abstract No. |
| 14:00 | WHY THE GUIDELINES FOR BASIC CPR ARE WRONG (Invited Lecture)<br><b>G.A. Ewy</b> , University of Arizona Sarver Heart Center, Tucson, AZ, USA  | 33           |
| 14:15 | SUDDEN CARDIAC DEATH PREVENTION IN HIGH RISK FAMILIAL<br>SYNDROMES (Invited Lecture)<br><b>W-K. Shen</b> , Mayo Clinic, Rochester, MN, USA  | 34           |
| 14:30 | SUDDEN CARDIAC DEATH: THE CLINICAL AND PUBLIC HEALTH<br>CHALLENGES (Invited Lecture)<br>G.A. Mensah, <b>Z.J Zheng</b> , K.J Greenlund, J.B Croft<br>Centers for Disease Control and Prevention (CDC), Atlanta, GA, USA  | 35           |
| 14:45 | NEW ALTERNATIVES FOR PATIENTS SUFFERING IN-HOSPITAL<br>CARDIAC ARREST: THE ROLE OF FULLY AUTOMATIC<br>DEFIBRILLATORS (Invited Lecture)<br><b>A. Martinez-Rubio</b> , N. Kanaan, M. Borggreffe, M. Block, F. Fedele,<br>C. Pappone, W. Haverkamp, J.L. Merino, J. Cinca, M. Makijarvi, Hospital<br>de Sabadell, Barcelona, Spain, USA, Germany, Italy, Finland | 36           |
| 15:00 | POST-INFARCTION SIGNALING PATHWAYS AS TARGETS FOR NOVEL<br>THERAPEUTIC INTERVENTION (Invited Lecture)<br><b>N. El-Sherif</b> , A. Tramontano, L. Deng, State University of New York, Brooklyn,<br>NY, USA   | 37           |
| 15:15 | INTERATRIAL BLOCK: ELECTROMECHANICAL DISEASE OF THE LEFT<br>ATRIUM - A VERY COMMON CONDITION (Invited Lecture)<br><b>D.H. Spodick</b> , S.G. Goyal University of Massachusetts, Worcester, MA, USA  | 39           |
| 15:30 | NOVEL STEPS IN THE JOURNEY TOWARD OPTIMIZING CARE FOR<br>THE VICTIM OF SUDDEN CARDIAC ARREST (Invited Lecture)<br><b>A. Capucci</b> , D. Aschieri, Guglielmo da Saliceto Hospital, Piacenza, Italy  | 40           |
| 15:45 | PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH: CURRENT<br>ROLE OF IMPLANTABLE DEVICE THERAPY (Invited Lecture)<br><b>D.J. Wilber</b> , Loyola University Medical Center, Maywood, IL, USA  | 41           |

SUNDAY, JULY 13, 2003

14:00 – 16:30

Columbia B

**PL04 Plenary Session  
NEW DEVELOPMENTS IN CARDIAC IMAGING**

Chairperson: **F.J. Pinto**, Lisbon, Portugal

Abstract No.

- |       |   |        |
|-------|---|--------|
| 14:00 | ECHOCARDIOGRAPHY IN 2003: NEW QUESTIONS, NEW CHALLENGES, NEW ANSWERS (Invited Lecture)<br><b>F.J. Pinto</b> , Lisbon University, Lisbon, Portugal   | 42     |
| 14:15 | COMPLEMENTARY ROLES OF CARDIAC CT IN NUCLEAR CARDIOLOGY IN ASSESSMENT OF THE CARDIAC PATIENT (Invited Lecture)<br><b>D.S. Berman</b> , 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         | 43     |
| 14:30 | NONINVASIVE DETECTION OF CORONARY VASOMOTOR DYSFUNCTION: AN INDEX OF PRE-CLINICAL ATHEROSCLEROSIS (Invited Lecture)<br><b>H.R. Schelbert</b> , David Geffen School of Medicine at UCLA, CA, USA   | 44     |
| 14:45 | IMAGING IN THE MANAGEMENT OF PATIENTS WITH HEART FAILURE (Invited Lecture)<br><b>F. Fedele</b> , University Hospital of Rome "La Sapienza", Rome, Italy   | 45     |
| 15:00 | APPLICATION OF ANGIOSCOPY FOR DIAGNOSIS OF ATHEROSCLEROSIS (Invited Lecture)<br><b>T. Tomaru</b> , M. Kanai, H. Noike, Y. Uchida, Toho University Sakura Hospital, Sakura, Chiba, Japan   | 46     |
| 15:15 | THE WAVEFRONT OF MYOCARDIAL CONTRACTION REVISITED (Invited Lecture)<br><b>M. Ballester-Rodes</b> , University of Lleida, Catalunya, Spain   | 47     |
| 15:30 | MONITORING THE EFFECTIVENESS OF MEDICAL THERAPY FOR ISCHEMIC HEART DISEASE WITH SPECT AND PET MYOCARDIAL PERFUSION IMAGING (Invited Lecture)<br><b>R.G. Schwartz</b> , University of Rochester Medical Center, Rochester, NY, USA   | 48     |
| 15:45 | FEASIBILITY OF SIMULTANEOUS ECHOCARDIOGRAPHIC IMAGING OF MYOCARDIAL PERFUSION AND REGIONAL LEFT VENTRICULAR FUNCTION USING COLOR-ENCODED CONTRAST ENHANCED POWER MODULATION (Invited Lecture)<br><b>J.M. DeCara</b> , V. Mor-Avi, K.T. Spencer, L. Weinert, J.E. Bednarz, M. Lang, University of Chicago, IL, USA | 49, 50 |
| 16:00 | ASSESSMENT OF MYOCARDIAL VIABILITY BY CARDIAC MAGNETIC RESONANCE (Invited Lecture)<br><b>L.J. Jimenez-Borreguero</b> , Principe de Asturias University Hospital,  | 51     |

Madrid, Spain

16:15

ROLE OF MINIATURIZED ECHOCARDIOGRAPHIC PLATFORMS IN CLINICAL PRACTICE (Invited Lecture)

**K. Spencer**, University of Chicago, Chicago, IL, USA

52

SUNDAY, JULY 13, 2003

– 16:30

Columbia C

| <b>S52 Session</b>  |  |              |
|---|--|--------------|
| <b>CLINICAL ASPECTS OF CORONARY ARTERY DISEASE AND HYPERTENSION</b> |  |              |
| Chairperson: <b>G.B. Habib</b> , Houston TX, USA                    |  |              |
|   |  | Abstract No. |
| 14:00   | MANAGEMENT OF THE HIGH RISK HYPERTENSIVE PATIENT<br>(Invited Lecture)<br><b>G.B. Habib</b> , Baylor College of Medicine, Houston, TX, USA  | 53           |
| 14:15   | MANAGEMENT OF EXERCISE RELATED HYPERTENSION IN<br>NORMOTENSIVE INDIVIDUALS (Invited Lecture)<br><b>Y. Charuzi</b> , T.W. Lang, B Coleman, Cedars Sinai Medical Center, LA, CA, USA   | 54           |
| 14:30   | INGESTED ARSENIC IS A DOMINANT RISK FACTOR FOR<br>CARDIOVASCULAR MORTALITY: A FOLLOW UP STUDY<br><b>C-H. Wang</b> , C.L. Chen, S.L. You, L.I. Hsu, H.Y. Chiou, Y.M. Hsueh, S.Y.Chen,<br>M.M. Wu, C.K. Hsiao, C.J. Chen, Cardinal Tein Hospital, National<br>Taiwan University, Taipei, Taiwan                          | 55           |
| 14:45   | THE ILLUSION OF WHITE COAT HYPERTENSION<br><b>H. Morcos</b> , D.A. Bloomfield, Saint Vincent's Medical Center, Staten Island,<br>NY, USA   | 56           |
| 15:00   | ELECTRICAL MUSCLE STIMULATION (EMS)-INDUCED EXERCISE<br>TRAINING HAS BENEFICIAL EFFECTS IN NORMAL SUBJECTS<br><b>P. Banerjee</b> , L. Crowe, B. Caulfield, S. Chattopadhyay, M.F. Alamgir,<br>N. Nikitin, J.G.F. Cleland, A.L. Clark, K. Witte, , C. Minogue, University of<br>Hull, Hull, East Yorkshire, UK, Ireland | 57           |
| 15:15   | ACUTE AND 3 MONTHS RESULTS OF SMALL CORONARY VESSEL<br>STENTING THROUGH TRANRADIAL APPROACH<br><b>J. Maddury</b> , L. Krishna, V. Goutami, R. Raghu, S. Jai Shanker, Nizam's<br>Institute of Medical Sciences, Hyderabad, Andhra Pradesh, India  | 58           |
| 15:30   | DIRECT EFFECT OF CENTRAL NITRIC OXIDE ON INTRA CELLULAR<br>SODIUM IN THE REGULATION OF BLOOD PRESSURE<br>M. Madajka, <b>D.F. Bohr</b> , T. Malinski, University of Michigan, Ann Arbor, MI, USA  | 59           |
| 15:45   | PERIPHERAL ARTERIAL COMPLIANCE AND ATHEROSCLEROTIC BURDEN<br><b>J. Raines</b> , H. Willens, D. Wallace, D. Herrington, G. Hundley, L. Moska,<br>W. Davis, V. Brown, University of Miami, FL, USA   | 60           |
| 16:00   | COMPARATIVE EFFECT OF NITRATES AND TRIMETAZIDINE PLUS<br>SILDENAFIL ON EXERCISE-INDUCED MYOCARDIAL ISCHEMIA.<br>IMPLICATIONS FOR PATIENTS WITH ERECTILE DYSFUNCTION<br><b>G.M.C. Rosano</b> , C. Vitale, B. Sposato, M. Fini, S. Chierchia, San Raffaele   | 61           |

Roma, Rome, Italy

16:15

THE ASSOCIATION BETWEEN HOMOCYSTEINE LEVELS AND  
CARDIOVASCULAR DISEASE RISK FACTORS: THE ATTICA STUDY  
**A. Zeimbekis**, C. Pitsavos, D.B. Panagiotakos, C. Chrysohoou, J. Skoumas,  
E. Tsetsekou, M. Toutouza, V. Nikolaou, C. Stefanadis, P. Toutouzas,  
Cardiology Clinic, University of Athens, Greece

62

SUNDAY, JULY 13, 2003

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)<br><b>D.S. Goldstein</b> , C. Holmes, S. Frank, M. Naqibuddin, R. Dendi, S. Snader, H. Calkins NINDS, NIH, USA   | 63 |
| 16:30 | ATRIAL FLUTTER MECHANISMS: NEW CONCEPTS OF INTEREST FOR THE CLINICIAN (Invited Lecture)<br><b>J.L. Merino</b> , Hospital Universitario La Paz, Madrid, Spain   | 64 |
| 16:45 | FRONTIERS IN COMPLETE CONGENITAL HEART BLOCK (Invited Lecture)<br><b>M. Boutjdir</b> , Suny Downstate and NYU, New York, NY, USA   | 65 |
| 17:00 | THE ROLE OF ELECTRICAL THERAPY IN PATIENTS WITH CONGESTIVE HEART FAILURE (Invited Lecture)<br><b>M.Akhtar</b> , Aurora Sinai Medical Center and St. Luke's Medical Center, Milwaukee, WI, USA  | 66 |
| 17:15 | EARLY DEFIBRILLATION WITHOUT CPR IMPROVES SURVIVAL FROM OUT-OF-HOSPITAL SUDDEN CARDIAC ARREST<br><b>A. Capucci</b> , D. Aschieri, M.F. Piepoli, S. Bennati, S. Rovelli, E. Bonibaldoni, M. Saltarelli, M. Arvedi, Guglielmo da Saliceto Hospital, Piacenza, Italy                                  | 68 |
| 17:30 | VENTRICULAR TACHYARRHYTHMIA CYCLE LENGTH, BUT NOT EJECTION FRACTION, PREDICTS IMPLANTABLE DEFIBRILLATOR SHOCKS<br>X.Z. Wang, N. Dullet, <b>A. Y-J. Shen</b> , Kaiser Permanente Los Angeles Medical Center, LA, USA  | 69 |
| 17:45 | CANDIDATES FOR IMPLANTABLE CARDIOVERTER DEFIBRILATORS AND CARDIAC RESYNCHRONIZATION THERAPY AFTER MADIT II.<br><b>N.O. Galizio</b> , E. Valero, J.L. Gonzalez, R.R. Favalaro, L. Favalaro, S. Perrone, M. Diez, R. Pesce, P. Davila, Favalaro Foundation, Capital Federal, Buenos Aires, Argentina | 70 |
| 18:00 | MORTALITY OF PATIENTS ON DIALYSIS AT THE TIME OF ICD IMPLANTATION<br><b>J.A. Green</b> , K. Bhatt, K.J. Ferrick, J.D. Fisher, J.N. Gross, S.G. Kim, E.U. Palma, Montefiore Medical Center, Bronx, NY, USA  | 71 |



PL05 (continued)

- |       |  |    |
|-------|--|----|
| 18:15 | THE IMPLANTABLE LOOP RECORDER IN PATIENTS WITH RECURRENT SYNCOPE: NORMAL HEART VERSUS STRUCTURAL HEART DISEASE<br><b>T. Pezawas</b> , J. Kastner, G. Stix, M. Wolzt, H. Schmidinger, University of Vienna, Vienna, Austria   | 72 |
| 18:45 | INTERVENTIONAL APPROACH TO THE TREATMENT OF LATE TACHYARRHYTHMIAS AFTER THE FONTAN OPERATION<br>K. Mchedlishvili, A.S. Revishvili, F.G. Rzaev, Z. Tembotova, M.M. Zelenikin, S.G. Chikhladze, <b>S.B. Zaets</b> , New Jersey Medical School, Newark, NJ, USA, Russia | 73 |
| 19:00 | SHOULD CLOPIDOGREL BE DISCONTINUED BEFORE IMPLANTING A DEVICE?<br><b>A.B. Patel</b> , T. Chen, K. Ferrick, J.D. Fisher, J. Gross, S. Kim, E. Palma, Montefiore Medical Center, Bronx, NY, USA  | 74 |

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

|       |  | Abstract No. |
|-------|--|--------------|
| 16:30 | DETECTION OF PARTIAL REGIONAL ISCHEMIA IN ISOLATED BEATING PIG HEARTS BY NEAR-INFRARED SPECTROSCOPIC IMAGING<br><b>S.P. Nighswander-Rempel</b> , R.A. Shaw, B. Xiang, V.V. Kupriyanov, University of Manitoba, Winnipeg, MB, Canada                              | 75           |
| 16:45 | COMPARISON OF STANDARD ECHOCARDIOGRAPHY AND PULSED WAVE DOPPLER TISSUE IMAGING TECHNIQUES IN THE ASSESSMENT OF DIASTOLIC FUNCTIONS FOLLOWING PTCA<br><b>B. Pirat</b> , M. Ulucam, H. Muderrisoglu, M.E. Korkmaz, B. Ozin, Baskent University of Ankara, Turkey   | 76           |
| 17:00 | STRAIN RATE ECHO CAN CHARACTERIZE PATTERNS OF DIASTOLIC DYSFUNCTION<br><b>S.A. Cauduro</b> , K.M. Modesto, Y. Takemoto, M. Belohlavek, J.B. Seward, T.P. Abraham, Mayo Clinic and Mayo Foundation, Rochester, MN, USA, Japan                                     | 77           |
| 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<br><b>J.W. Park</b> , U. Gerk, U. Reichert, F. Jung, Klinikum Hoyerswerda, Hoyerswerda, Germany | 78           |
| 17:30 | DETECTION OF MITRAL REGURGITATION BY CARDIAC MRI: COMPARISON WITH ANGIOGRAPHY<br><b>M.J. Ricciardi</b> , S. Bahu, S.N. Meyers, R. Passman, F.J. Klocke, C.J. Davidson, R.O. Bonow, Northwestern University, Chicago, IL, USA                                     | 79           |
| 17:45 | REVISITING THE VALUE OF NUCLEAR STRESS TESTING FROM A UNIVERSITY MEDICAL CENTER EXPERIENCE - ARE WE DOING THE JOB?<br><b>R.I. Huang</b> , R. Kamineni, S. Butman, University of Arizona, Tucson, AZ, USA   | 80           |
| 18:00 | COMPARISON OF PET WITH MCG IN CAD DIAGNOSIS<br><b>I. Chaikovsky</b> , C. Berndt, J. Korfer, B. Schrader, B. Yilmatz, D. Horstkotte, SQUID International AG, Essen, Germany   | 81           |
| 18:15 | THE VALUE OF MAGNETOCARDIOGRAPHY IN THE COURSE OF CORONARY INTERVENTION<br>B. Hailer, I. Chaikovsky, <b>S. Auth-Eisernitz</b> , H. Schafer, F. Steinberg, D. Gronemeyer, Catholic Hospital "Philippusstift", Essen, Germany                                      | 82           |

18:30 VALUE OF MAGNETOCARDIOGRAPHY FOR NON-INVASIVE DIAGNOSIS OF CORONARY ARTERY 83  
 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 LYMPHOTOXIN-ALPHA GENE THAT ARE ASSOCIATED WITH SUSCEPTIBILITY TO MYOCARDIAL INFARCTION 84  
**K. Ozaki**, Y. Ohnishi, A. Iida, R. Yamada, T. Tsunoda, H. Sato, H. Sato, M. Hori, Y. Nakamura, T. Tanaka, The Institute of Physical & Chemical Research (RIKEN) Tokyo, Japan

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

**P102 (continued)**

| Board No. |   | Abstract No. |
|-----------|---|--------------|
| 6         | INCREASED SERUM HYALURONIC ACID AMONG PATIENTS WITH CORONARY ARTERY DISEASE<br><b>D.J. Cantillon</b> , L.C. Clavijo, J. Chen, L. Zhang, M.D. Greenberg, C. Tracy, Georgetown University Hospital, Washington, D.C. USA                        | 89           |
| 7         | GAS CHROMATOGRAPHY-MASS SPECTROMETRY ANALYSIS OF DNA FROM ACUTE MYOCARDIAL INFARCTION PATIENTS IN CHINESE, MALAY AND INDIAN<br><b>Y.Z. Zhu</b> , S.H. Huang, S.B. Ooi, M. Whiteman, B. Halliwell, National University of Singapore, Singapore | 90           |
| 8         | EXPERIMENTAL STUDY OF CRATAEGUS FLAVONE ON ANTI-MYOCARDIAL ISCHEMIA AND HYPOXIA TOLERANCE<br><b>L. Ling</b> , C.S. Sun, Changsha Railway Hospital, Changsha, Hunan, China   | 91           |

SUNDAY, JULY 13, 2003

08:30 – 18:00

Poster Hall

**P103**      **Poster Session**  
**ACUTE MYOCARDIAL INFARCTION**

| Board No. |   | Abstract No. |
|-----------|---|--------------|
| 9         | ACUTE MYOCARDIAL INFARCTION WITH NORMAL CORONARY ARTERIES – RISK PROFILE AND PROGNOSIS<br><b>S.M.R. Amorim</b> , R.A. Rodrigues, D. Magalhaes, V. Araujo, J.C. Silva, M. Garcia, M. Campos, M.J. Maciel, Hospital Sao Joao, Porto, Portugal                                   | 92           |
| 10        | NORMAL CORONARY ANGIOGRAPHY IN PATIENTS WITH CLINICAL SUSPICION OF ACUTE MYOCARDIAL INFARCTION WITH ST SEGMENT ELEVATION<br><b>S.M.R. Amorim</b> , R.A. Rodrigues, D. Magalhaes, V. Araujo, J.C. Silva, M. Garcia, M. Campos, M.J. Maciel, Hospital Sao Joao, Porto, Portugal | 93           |

**P104**      **Poster Session**  
**INTERVENTIONAL CARDIOLOGY**

|    |  |    |
|----|--|----|
| 11 | STRESS SPECT IMAGING IS NOT CORRELATED WITH ANGIOGRAPHY AT 6 MONTHS AFTER PRIMARY ANGIOPLASTY<br><b>K. Isaz</b> , A. Cerisier, M. Lamaud, M. Sabry, A. Da Costa, S. Schouvey, C. Gerenton, N. Prevot, F. Dubois, University of Saint Etienne, Saint Etienne, France    | 94 |
| 12 | INCIDENCE, MANAGEMENT AND TREATMENT OUTCOMES OF INTRASTENT RESTENOSIS IN USUAL PRACTICE<br><b>L.A. Inigo-Garcia</b> , R. Lopez, F. Pico, E. Pinar, M. Valdes, G. Rosas, E. Gonzalez-Cocina, F. Ruiz-Mateas, F. Torres, M. Pombo, Hospital Costa del Sol, Malaga, Spain | 95 |
| 13 | BOLUS INTRAVENOUS HEPARIN AS REPERFUSION THERAPY FOR ACUTE MYOCARDIAL INFARCTION<br><b>I. Balla</b> , A. Kondili, N. Kuke, L. Sinoimeri, F. Shatri, A. Gace, G. Bardhi, University Hospital Center, Tirana, Albania  | 96 |
| 14 | EFFECTS OF GLUCOSE-INSULIN-POTASSIUM INFUSION IN PATIENTS UNDERGOING PRIMARY ANGIOPLASTY: PRELIMINARY RESULTS<br><b>C. Bucciarelli-Ducci</b> , M. Bianchi, R. Adorisio, A. Battagliese, C. Di Russo, F. Fedele, University of Rome "La Sapienza", Rome, Italy          | 97 |
| 15 | INVESTIGATION OF FLEXIBILITY AND RADIAL RIGIDITY: THE WIRE ARTERIAL STENT<br>A.G. Mrochek, V.T. Minchenya, <b>V.A. Herasevich</b> , Byelorussian Medical Academy of Post Graduate Education, Minsk, Belarus  | 98 |

SUNDAY, JULY 13, 2003

08:30 – 18:00

Poster Hall

**P105      Poster Session  
PEDIATRIC CARDIOLOGY / CONGENITAL HEART DISEASE**

Board No.

Abstract No.

- 16      LEVELS OF THYMIC RECENT EMIGRANT CELLS DECREASES IN CHILDREN UNDERGOING THYMECTOMY DURING CARDIAC SURGERY      99  
**A. Madhok**, A. Chandrasekran, D. Chowdhury, V.A. Parnell, S. Pahwa, Schneider Children's Hospital, New Hyde Park, NY, USA
- 17      CHANGES IN CLINICAL MANIFESTATIONS OF INFECTIVE ENDOCARDITIS IN CHILDREN DURING THE PAST 36 YEARS      100  
**Y. Chen**, J. Tian, G. Yu, Y. Jian, Children's Hospital, Chongqing Medical University, Chongqing, China
- 18      NUTRITIONAL ASSESSMENT OF CONGENITAL HEART DISEASE PEDIATRIC PATIENTS      101  
**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**

- 19      RESULTS OF TRANSMYOCARDIAL LASER REVASCULARIZATION IN COMBINATION WITH CORONARY ARTERY BYPASS GRAFTING      102  
**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**

- 20      ASPERGILLUS AORTITIS AFTER CARDIAC SURGERY      103  
**A. Sanchez-Recalde**, I. Mate, J.L. Merino, R.S. Simon, J.A. Sobrino, Hospital Universitario La Paz, Madrid, Spain
- 21      IMPACT OF PRESSURE RECOVERY ON AORTIC STENOSIS PRESSURE GRADIENTS IN A CLINICAL SETTING      104  
**K. Isaaz**, O. Gaillard, A. Cerisier, A. Da Costa, E. Faure, M. Lamaud, C. Gerenton, University of Saint Etienne, Saint Etienne, France
- 22      SURGICAL TREATMENT FOR INFECTIOUS ENDOCARDITIS - EARLY AND LONG-TERM RESULTS      105  
N.D. Radovanovic, S.R. Nicin, J.J. Lavac, **B.B. Mihajlovic**, J.J. Selestiansky, Z.S. Jonjev, P. Kovacevic, M. Fabri, A. Milosavljevic, A. Redzek, University Clinic of Cardiovascular Surgery, Sremska Kamenica, Vojvodina, Serbia & Montenegro

23            PROSTHETIC HEART VALVE THROMBOSIS: THROMBOLYSIS AN OPTION            106  
**N. Shaikh**, M. Gautam, M. Fertikh, R. Hunn, Mercy Catholic Medical Center,  
Darby, PA, USA

**SUNDAY, JULY 13, 2003**

---

**08:30 – 18:00**

**Poster Hall**

---

**P108            Poster Session**  
**MECHANICAL SUPPORT / LEFT VENTRICULAR ASSIST DEVICES / CARDIAC**  
**TRANSPLANTATION**

Board No.

Abstract No.

24            PRELIMINARY EXPERIENCE WITH THORATEC TLC II, FIRST CASES            107  
IN LATIN AMERICA  
**E. Herrera Garza**, O. Ortega Duran, J. Molina Gamboa, H. Decanini Arcaute,  
IMSS Monterrey, Nuevo Leon, Mexico

25            HEART TRANSPLANTATION IN PATIENTS WITH SEVERE PULMONARY            108  
HYPERTENSION  
**H. Al-Hiti**, I. Malek, J. Kettner, J. Pirk, Institute of Clinical and Experimental Medicine,  
Prague, Czech Republic

**P109            Poster Session**  
**PRACTICE GUIDELINES, COST CONTAINMENT**

26            ESTIMATING THE COST EFFECTIVENESS OF TIROFIBAN FOR ACS            109  
PATIENTS MANAGED INVASIVELY AND NON-INVASIVELY IN FRENCH  
PRACTICE SETTING  
**G. De Pourville**, C. Alexopoulos, R. Deuson, D. Goldsman, E. Alemao,  
Centre for Health Economics & Admin. Research, Paris, France, USA

27            CRISIS (?) OF MEDICAL CARE SYSTEM IN JAPAN            110  
**T. Tomaru**, Toho University Sakura Hospital, Sakura, Chiba, Japan

**P110            Poster Session**  
**COMPUTERS IN CARDIOLOGY**

28            IMPROVING THE RESULTS OF MYOCARDIAL PERFUSION SCINTIGRAPHY            111  
BY MACHINE LEARNING  
**C. Groselj**, M. Kukar, University Medical Center, Ljubljana, Slovenia

29            IMPROVING THE CORONARY ARTERY DISEASE PRETEST PROBABILITY BY            112  
MACHINE LEARNING METHOD  
**C. Groselj**, M. Kukar, University Medical Center, Ljubljana, Slovenia

30            NEW MODELS OF DISEASE MANAGEMENT: IMPROVING QUALITY THROUGH            113  
IN-HOME MONITORING TECHNOLOGY  
**S. Brown**, Health Hero Network, Mountain View, CA, USA

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



SUNDAY, JULY 13, 2003

---

08:30 – 18:00

Poster Hall

---

**P111**      **Poster Session**  
**MISCELLANEOUS I**

| Board No. |   | Abstract No. |
|-----------|---|--------------|
| 32        | IMPROVED HEMODYNAMICS WITH A NOVEL CHEST COMPRESSION DEVICE<br><b>S. Timerman</b> , L.F. Cardoso, J.A.F. Ramires, H. Halperin, University of Sao Paulo Medical School, Sao Paulo, Brazil, USA   | 115          |
| 33        | EFFICACY AND ACCEPTABILITY OF TRIMETAZIDINE IN POST-REVASCULARIZED PATIENTS WITH RECURRENT ANGINA SYMPTOMS<br><b>W. Ruzyllo</b> , H. Szwed, Z. Sadowski, W. Elikowski, H. Grzelak-Szafranska, W. Orszulak, K. Szymczak, M. Winter, National Institute of Cardiology, Warsaw, Poland   | 116          |
| 34        | NEUROHORMONAL BEHAVIOUR IN PROLONGED ORTHOSTATIC STIMULUS<br><b>J. Freitas</b> , R. Santos, M. Carvalho, F. Boomsma, A.H. Meiracker, Hospital de Sao Joao, Porto, Portugal. The Netherlands   | 117          |
| 35        | THE ASSOCIATION BETWEEN OCCUPATIONAL STRESS AND CORONARY HEART DISEASE RISK, IN MEN AND WOMEN; THE CARDIO2000 STUDY<br><b>D.B. Panagiotakos</b> , C. Pitsavos, C. Chrysohoou, N. Papaioannou, J. Skoumas, A. Theodorakis, P. Zambaras, K. Moraiti, C. Stefanadis, P. Toutouzas, Cardiology Clinic, University of Athens, Greece | 118          |
| 36        | IRBESARTAN EFFECTS ON POSTINFARCTION HEART REMODELLING AND ENDOTHELIN-1 LEVEL IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION<br>L.T. Malaya, I.I. Knyazkova, <b>S.R. Dadashzade</b> Institute of Therapy of AMS of Ukraine, Kharkov, Ukraine  | 119          |
| 37        | ANTI-ARRHYTHMIC MANAGEMENT OF SUPRAVENTRICULAR PAROXYSMAL TACHYCARDIA IN CHILDREN - OUR EXPERIENCE<br><b>R.H. Bejiqi</b> , M.I. Kelmendi, R. Retkoceri, N. Zeka, H. Bejiqi, University Children's Hospital, Prishtina, Kosova, Albania  | 120          |

**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

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | CATHETER CLOSURE OF VENTRICULAR SEPTAL DEFECTS<br>(Invited Lecture)<br><b>H. Sievert</b> , S. Ostermayer, Cardiovascular Center, Frankfurt, Germany   | 121 |
| 08:45 | APPLICATION OF EXCIMER LASER ANGIOPLASTY IN ACUTE<br>CORONARY SYNDROMES (Invited Lecture)<br><b>O. Topaz</b> , McGuire Veterans Affairs Medical Center, Richmond, VA, USA   | 122 |
| 09:00 | USE OF INTRACARDIAC ECHOCARDIOGRAPHY FOR GUIDING DEVICE<br>CLOSURE OF INTERATRIAL COMMUNICATIONS (Invited Lecture)<br><b>S. KarT.</b> Naqvi, M. Price, J. Aragon, R. Makkar, N. Eigler, Cedars Sinai<br>Medical Center, Los Angeles, California, USA  | 123 |
| 09:15 | DRUG ELUTING STENTS: SPECIAL CONSIDERATIONS IN THE<br>APPLICATION OF RESTENOSIS (Invited Lecture)<br><b>G.W. Vetrovec</b> , Virginia Commonwealth University, Richmond, VA, USA   | 124 |
| 09:30 | CATHETER BASED TREATMENT FOR HOCM: STUDIES ON MYOCARDIAL<br>INFARCTION IN A UNIQUE CLINICAL INFARCT MODEL (Invited Lecture)<br><b>H. Kuhn</b> , T. Lawrenz, F. Lieder, Bielefeld Klinikum, Bielefeld, Germany   | 125 |
| 09:45 | PERCUTANEOUS CLOSURE OF THE LEFT ATRIAL APPENDAGE TO<br>PREVENT STROKE IN PATIENTS WITH ATRIAL FIBRILLATION:<br>SHORT- AND MID-TERM RESULTS<br>S. Ostermayer, T. Trepels, K. Billinger, T. Nakai, M. Lesh, H. Omran,<br>A. Bartorelli, P. Della Bella, M. Reisman, W. Gray, C. DiMario, P. Block,<br>P. Kramer, D. Williams, A. Poppas, A. Skanes, B. Meier, D. Scherer,<br><b>H. Sievert</b> , Cardiovascular Center, Frankfurt, Germany, USA, Italy,<br>Canada, Switzerland | 126 |
| 10:00 | STENTS, DESIGN AND VESSEL WALL BIOLOGY: TWO DECADES<br>OF PROGRESS (Invited Lecture)<br><b>R. Beyar</b> , Technion, Israel Institute of Technology and Rambam Medical<br>Center, Haifa, Israel  | 127 |
| 10:15 | CAROTID ATHEROSCLEROSIS BUT NOT INTIMA MEDIA THICKNESS<br>PREDICTS ANGIOGRAPHIC CORONARY ARTERY DISEASE<br><b>K.O. Akosah</b> , S.I. Barnhart, A.M. Schaper, Gundersen Lutheran, La Crosse,<br>WI, USA  | 129 |

|       |   | Abstract No. |
|-------|---|--------------|
| 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<br><b>A. Blum</b> , M. Hoffman, R. Massachi, E. Shabtai, H. Miller, Tel Aviv Medical Center, Israel | 130          |

**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

|       |   | Abstract No. |
|-------|---|--------------|
| 08:30 | ETIOPATHOGENIC DIFFERENTIATION AND IMMUNOMODULATORY TREATMENT IN INFLAMMATORY CARDIOMYOPATHY (Invited Lecture)<br><b>H.P. Schultheiss</b> , University Hospital Benjamin Franklin, Berlin, Germany        | 131          |
| 08:45 | LACK OF CYTOKINE UP-REGULATION IN HEART FAILURE DUE TO ADRIAMYCIN (Invited Lecture)<br><b>P.K. Singal</b> , H. Lou, Institute of Cardiovascular Sciences, Winnipeg, MB, Canada                            | 132          |
| 09:00 | VENTRICULAR REMODELING POST-INFARCTION AND COLLAGEN (Invited Lecture)<br><b>B.I. Jugdutt</b> , University of Alberta, Edmonton, Alberta, Canada   | 133          |
| 09:15 | VIRAL MYOCARDITIS AS A PREDICTOR OF DILATED CARDIOMYOPATHY, POSSIBILITIES FOR THE PREVENTION OF DCM (Invited Lecture)<br><b>N. N. Kipshidze</b> , Institute of Therapy, Tbilisi, Georgia                  | 134          |
| 09:30 | MYOCARDIAL FLOW-METABOLISM ABNORMALITIES IN DILATED CARDIOMYOPATHY: CAUSE OR EFFECT OF VENTRICULAR DYSFUNCTION? (Invited Lecture)<br><b>D. Neglia</b> , CNR Institute of Clinical Physiology, Pisa, Italy | 135          |
| 09:45 | ARRHYMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY - DIAGNOSIS AND TREATMENT (Invited Lecture)<br><b>C.Y. Lui</b> , University of Arizona, Tucson, AZ, USA   | 136          |
| 10:00 | CHAGAS DISEASE: WHAT ALL PHYSICIANS NEED TO KNOW (Invited Lecture)<br><b>A. Rassi Jr.</b> , Anis Rassi Hospital, Goiania, Brazil  | 137          |
| 10:15 | ANGIOTENSIN AND THE LEFT VENTRICLE (Invited Lecture)<br><b>P.R. Liebson</b> , Rush Medical College, Chicago, IL, USA  | 138          |

**PL07 (continued)**

Abstract No.

- |       |   |     |
|-------|---|-----|
| 10:30 | PERICARDIAL INVOLVEMENT IN END-STAGE RENAL DISEASE<br>(Invited Lecture)<br><b>M.A. Alpert</b> , St. John's Mercy Medical Center, St. Louis, MO, USA   | 139 |
| 10:45 | PSYCHOSOCIAL AND HORMONAL CONTRIBUTORS TO THE DEVELOPMENT<br>AND THE PROGRESSION OF HEART FAILURE IN FEMALES (Invited Lecture)<br><b>V. Regitz-Zagrosek</b> , German Heart Institute, Berlin, Germany   | 140 |
| 11:00 | LONG-TERM FOLLOW-UP ON THE MORBIDITY AND MORTALITY OF<br>PATIENTS HOSPITALIZED FOR HEART FAILURE WITH A NORMAL<br>EJECTION FRACTION (Invited Lecture)<br><b>M. Klapholz</b> , N. Varshneya, E. Hernandez, R. Voleti, S. Bhargava, Z. Tai,<br>R. Gupta, K. Sehat, J. Burcham, T. LeJemtel, Saint Vincent Catholic<br>Medical Center, New York, NY, USA | 141 |

MONDAY, JULY 14, 2003

---

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. |
|-------|--|--------------|
| 11:15 | ETIOLOGY OF VALVULAR HEART DISEASE IN THE 21ST CENTURY (Invited Lecture)<br><b>H. Boudoulas</b> , Foundation of Biomedical Research, Academy of Athens, Greece   | 142          |
| 11:30 | CONFIRMATION OF CONTRACTILITY AS A PROGNOSTIC INDEX IN AR AND THE CELLULAR/MOLECULAR BASIS OF THE DEFICIT (Invited Lecture)<br><b>J.S. Borer</b> , Weill Medical College of Cornell University, New York, N.Y., USA  | 143          |
| 11:45 | MECHANICAL PROPERTIES OF NORMAL AND ANEURYSMAL ASCENDING AORTA (Invited Lecture)<br><b>J.A. Elefteriades</b> , Yale University School of Medicine, New Haven, CT, USA  | 144          |
| 12:00 | ROBOTIC MITRAL VALVE REPAIR: IMPROVED RESULTS AND PATIENT SATISFACTION (Invited Lecture)<br><b>M.S. Slaughter</b> , Advocate Christ Medical Center, Oak Lawn, IL, USA  | 145          |
| 12:15 | MITRAL AND TRICUSPIDE RECONSTRUCTION IN THE PATIENTS WITH HEART FAILURE (Invited Lecture)<br><b>N.D. Radovanovic</b> , University Clinic of Cardiovascular Surgery, Sremska Kamenica, Vojvodina, Serbia & Montenegro | 146          |
| 12:30 | FETAL INTERVENTION TO PREVENT HYPOPLASTIC LEFT HEART SYNDROME (Invited Lecture)<br><b>S.D. Colan</b> , Children's Hospital, Boston, MA, USA  | 147          |
| 12:45 | MECHANICAL CIRCULATORY SUPPORT IN INFANTS AND CHILDREN WITH CARDIAC DISEASE (Invited Lecture)<br><b>B.W. Duncan</b> , Cleveland Clinic Foundation, Cleveland, OH, USA  | 148          |
| 13:00 | THE TRAINING OF PEDIATRIC CARDIAC INTENSIVE CARE PHYSICIANS (Invited Lecture)<br><b>G.L. Rosenthal</b> , Cleveland Clinic Foundation, Cleveland, OH, USA   | 149          |
| 13:15 | INFLUENCE OF VALVE ORIFICE VARIABILITY DURING EJECTION ON HEMODYNAMICS OF AORTIC STENOSIS: A COMPUTER NUMERICAL SIMULATION STUDY<br>S. Schouvey, <b>K. Isaz</b> , University of St. Etienne, St. Etienne, France     | 150          |

13:30

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

151

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

|       |   | Abstract No. |
|-------|---|--------------|
| 11:15 | WHAT IS AN OPTIMAL DIET? (Invited Lecture)<br><b>Dean Ornish</b> , Preventive Medicine Research Institute; UCSF, CA, USA  | 152          |
| 11:30 | PATHOGEN BURDEN, THE PRIME CULPRIT OF ATHEROSCLEROSIS<br>(Invited Lecture)<br><b>J. Ge</b> , C. Liang, Y. Niu, J. Qian, K. Wang, Zhongshan Hospital, Fudan University, Shanghai, China  | 153          |
| 11:45 | HOW MACROPHAGES GET FAT (Invited Lecture)<br><b>H.S. Kruth</b> , W. Huang, I. Ishii, W.Y. Zhang, NHLBI, NIH, DHHS, Bethesda, MD, USA  | 154          |
| 12:00 | ANTIOXIDANTS AND ATHEROSCLEROSIS (Invited Lecture)<br><b>J-C. Tardif</b> , Montreal Heart Institute, Montreal, Canada   | 155          |
| 12:15 | ANGIOGENESIS CLINICAL TRIALS (Invited Lecture)<br><b>T.A. Sanborn</b> , I.S. Syed, T.K. Rosengart, Northwestern University, Evanston, IL, USA   | 156          |
| 12:30 | SOCIO-ECONOMIC STATUS AND ITS CLINICAL IMPLICATION ON<br>CORONARY ARTERY DISEASE (Invited Lecture)<br><b>C. Pitsavos</b> , University of Athens, Chalandri, Athens, Greece  | 157          |
| 12:45 | THE CRP LEVELS ARE HIGHER IN PATIENTS WITH LEFT VENTRICULAR<br>DYSFUNCTION OF ISCHEMIC ORIGIN THAT IN THOSE OF NON ISCHEMIC<br>(Invited Lecture)<br><b>S. Dalla-Volta</b> , D. Anzuloviæ-Miroševiæ, Universita degli Studi di Padova, Padova, Italy | 158          |
| 13:00 | IMPACT OF GUM INFECTION ON HEART DISEASE (Invited Lecture)<br><b>S. Amar</b> , Boston University Medical Center, Boston, MA, USA  | 159          |
| 13:15 | ATHEROSCLEROTIC REGRESSION - A MYTH OR REALITY (Invited Lecture)<br><b>K. Adarsh</b> , Govt Medical College/G.N.D. Hospital, Amritsar, Punjab, India  | 160          |
| 13:30 | CLIMATOLOGICAL VARIATIONS AND CARDIOVASCULAR MORTALITY<br>(Invited Lecture)<br><b>D.B. Panagiotakos</b> , School of Medicine, University of Athens, Athens, Greece  | 161          |
| 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

|       |   | Abstract No. |
|-------|---|--------------|
| 14:00 | PREVENTING PROGRESSIVE LEFT VENTRICULAR DILATION IS INTEGRAL TO NORMALIZATION OF GENE EXPRESSION IN HEART FAILURE (Invited Lecture)<br><b>H.N. Sabbah</b> , Henry Ford Health System, Detroit, MI, USA  | 162          |
| 14:15 | GENETIC MECHANISMS OF HEART FAILURE (Invited Lecture)<br><b>J.A. Towbin</b> , Baylor College of Medicine, Houston, TX, USA  | 163          |
| 14:30 | CHIP-PING AWAY AT HEART FAILURE (Invited Lecture)<br><b>C-C. Liew</b> , Harvard Medical School, Boston, MA, USA   | 164          |
| 14:45 | ASSOCIATION OF SINGLE NUCLEOTIDE POLYMORPHISMS IN THE OXIDIZED LDL-RECEPTOR 1 (OLR1) GENE IN PATIENTS WITH MYOCARDIAL INFARCTION (Invited Lecture)<br><b>J.L. Mehta</b> , 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 | 165          |
| 15:00 | CHRONIC INHIBITION OF NITRIC OXIDE SYNTHASE INDUCES HYPERTENSION AND CARDIOMYOCYTE MITOCHONDRIAL AND MYOCARDIAL COLLAGEN REMODELING IN THE ABSENCE OF HYPERTROPHY (Invited Lecture)<br><b>M.A. Rossi</b> , University of Sao Paulo, Ribeirao, Brazil  | 166          |
| 15:15 | ENDOTHELIAL PROTECTION BY NITRIC OXIDE AND ASPIRIN: INVOLVEMENT OF HEME OXYGENASE-1 AND FERRITIN (Invited Lecture)<br>N. Grosser, <b>H. Schroeder</b> , Martin Luther University, Halle (Saale), Germany  | 167          |
| 15:30 | ERYTHROPOIETIN AND VASCULAR "PATHWAYS OF PROTECTION" WITH AKT, APAF-1, AND CYTOCHROME C (Invited Lecture)<br><b>K. Maiese</b> , Z.Z. Chong, J-Q Kang, Wayne State University, Detroit, MI, USA  | 168          |
| 15:45 | GENETIC ALTERATION IN NATRIURETIC PEPTIDE RECEPTOR - A CAUSES HYPERTENSION AND CONGESTIVE HEART FAILURE (Invited Lecture)<br><b>K.N. Pandey</b> , Tulane University Health Sciences Center, New Orleans, LA, USA  | 169          |
| 16:00 | SYNERGISTIC POLYMORPHISMS OF $\beta_1$ - AND $\alpha_{2C}$ -ADRENERGIC RECEPTORS AND THE RISK OF CONGESTIVE HEART FAILURE   |              |

(Invited Lecture)

170

**L.E. Wagoner**, K.M. Small, A.M. Levin, S.L.R. Kardia, S.B. Liggett,  
University of Cincinnati, Cincinnati, OH, USA

**PL10 (continued)**

|       |  | Abstract No. |
|-------|--|--------------|
| 16:15 | IMAGING OF VASCULAR GENE THERAPY (Invited Lecture)<br><b>X. Yang</b> , John Hopkins University, Baltimore, Maryland, USA                                 | 171          |
| 16:30 | DIFFERENTIAL GENE EXPRESSION IN THE FAILING AND RESCUED HEART (Invited Lecture)<br><b>B.C. Blaxall</b> , Duke University Medical Center, Durham, NC, USA | 172          |

**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

|       | Abstract No.  |     |
|-------|---|-----|
| 14:00 | SYSTEMIC AND CORONARY HEMODYNAMIC EFFECTS OF B-TYPE NATRIURETIC PEPTIDE NESIRITIDE (Invited Lecture)<br><b>K. Chatterjee</b> , C. Zellner, A. Michaels, University of California San Francisco, San Francisco, CA, USA  | 174 |
| 14:15 | DIFFERENTIAL SECRETION PATTERNS OF NATRIURETIC PEPTIDES IN A HEART FAILURE POPULATION AND THEIR ASSOCIATION WITH CARDIAC FUNCTION (Invited Lecture)<br>G. Boerrigter, <b>D.M. Heublein</b> , S.C. Madden Vadnais, L.C. Costello, A. Cataliotti, S.M. Sandberg, M.G. St John Sutton, M.R.S. Hill, J.C. Burnett Jr., Mayo Clinic and Foundation, Rochester, MN, USA | 175 |
| 14:30 | BENEFICIAL EFFECT OF NESIRITIDE (HUMAN B-TYPE NATRIURETIC PEPTIDE) ON HEART RATE VARIABILITY IN DECOMPENSATED HEART FAILURE (Invited Lecture)<br><b>A.J. Burger</b> , Harvard Medical School, Boston, MA, USA   | 176 |
| 14:45 | ENDOTHELIN ANTAGONISTS IN CARDIOVASCULAR DISEASE: NEW PRECLINICAL AND CLINICAL DATA (Invited Lecture)<br><b>R.R. Wenzel</b> , University Hospital Essen, Essen, Germany   | 177 |
| 15:00 | IMPLANTABLE PHYSIOLOGIC OPTIMIZED DOSIMETER FOR TREATING ADVANCED CONGESTIVE HEART FAILURE (Invited Lecture)<br>S. Kar, D. MacClean, J. Aragon, R. Makkar, F. Litvack, J. Whiting, <b>N. Eigler</b> . Cedars-Sinai Medical Center, Los Angeles, CA, USA   | 179 |
| 15:15 | SILDENAFIL, A PHOSPHODIESTERASE TYPE 5 INHIBITOR, IN THE TREATMENT OF PULMONARY ARTERIAL HYPERTENSION (Invited Lecture)<br><b>E.D. Michelakis</b> , University of Alberta, Edmonton, AB, Canada   | 180 |

15:30

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

181

**PL11** (continued)

Abstract No.

- |       |   |     |
|-------|---|-----|
| 15:45 | ABRUPT CORONARY NO-FLOW PHENOMENON IN HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY: NO SPECIFIC ADVERSE EFFECT OF ALCOHOL INJECTION IN ALCOHOL SEPTAL ABLATION<br><b>F.C. Lieder</b> , T. Lawrenz, L. Obergassel, B. Gockel, C. Strunk-Mueller, G. Beer, H. Kuhn, Klinikum Bielefeld, Bielefeld, Germany | 182 |
| 16:00 | SERUM HYALURONIC ACID IS ELEVATED IN PATIENTS WITH DECOMPENSATED CONGESTIVE HEART FAILURE<br><b>D.J. Cantillon</b> , L.C. Clavijo, J. Chen, L. Zhang, S. Siddique, M.D. Greenberg, C. Tracy, Georgetown University Hospital, Washington, D.C. USA   | 183 |

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

|       |   | Abstract No. |
|-------|---|--------------|
| 16:45 | PURELY INTERNAL MAMMARY ARTERY CABG FOR COMPLETE MYOCARDIAL REVASCULARIZATION (Invited Lecture)<br><b>P. Nataf</b> , N. Al Attar, R. Raffoul, F. Nappi, R. Ramadan, Centre Cardiologique du Nord, Saint Denis, France   | 185          |
| 17:00 | FACILITATIVE TECHNIQUES TO ADVANCE THE MINIMALLY INVASIVE SURGICAL TREATMENT OF CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)<br>V.A. Subramanian, <b>N.C. Patel</b> , Lenox Hill Hospital, New York, USA | 186          |
| 17:15 | SURGICAL TRIALS FOR THE MANAGEMENT OF HEART FAILURE (Invited Lecture)<br><b>D.M. Meyer</b> , University of Texas Southwestern Medical Center, Dallas, TX, USA   | 187          |
| 17:30 | ASSESSMENT OF MYOCARDIAL VIABILITY IN HEART FAILURE: WHO SHOULD BE REVASCULARIZED? (Invited Lecture)<br><b>V. Dilsizian</b> , University of Maryland School of Medicine, Baltimore, MD, USA                             | 188          |
| 17:45 | MANAGEMENT OF PULMONARY HYPERTENSION IN CARDIAC TRANSPLANT RECIPIENTS (Invited Lecture)<br><b>G. Bhat</b> , University of Louisville, Jewish Hospital, Louisville, KY, USA  | 189          |
| 18:00 | NEW AGENTS AND NEW STRATEGIES IN IMMUNOSUPPRESSION AFTER HEART TRANSPLANTATION (Invited Lecture)<br><b>B. Meiser</b> , M. Mueller, B. Reichart, Univ. of Munich, Grosshadern Medical Center, Munich, Germany            | 190          |
| 18:15 | RECENT ADVANCES IN CARDIAC SURGERY (Invited Lecture)<br><b>M.K.C. Dullum</b> , Washington Regional Cardiac Surgery PC, Washington DC, USA   | 191          |
| 18:30 | EVOLVING TREATMENT STRATEGIES FOR UNREVASCULARIZABLE ISCHEMIC CORONARY DISEASE (Invited Lecture)<br><b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA  | 192          |

**PL12 (continued)**

Abstract No.

- 18:45 HEART TRANSPLANTATION WITH BICAVAL AND PULMONARY VENOUS ANASTOMOSES (Invited Lecture)  
**L.S.C. Czer**, H. Soukiasian, C. Blanche, R.M. Kass, S. Raissi, W. Cheng, G. Fontana, M. De Robertis, M. Sandhu, A. Trento, Cedars-Sinai Medical Center, Los Angeles, CA, USA
- 19:00 EXPRESSION OF APOPTOTIC MARKER P53 IN CARDIAC ALLOGRAFT 193  
**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 194  
**A. Bohdjalian**, A. Zuckermann, S. Roedler, M. Ehrlich, M. Grimm, University of Vienna, Vienna, Austria

MONDAY, JULY 14, 2003

16:45 – 19:45

Columbia A

**S54: Session**

**VASCULAR BIOLOGY, BASIC RESEARCH**

Chairperson: **E.G. Kranias**, Cincinnati, OH, USA  
**M.A. Rossi**, Sao Paulo, Brazil

Abstract No.

- 16:45 THE P2Y2 NUCLEOTIDE RECEPTOR MEDIATES UTP-INDUCED VASCULAR CELL ADHESION MOLECULE-1 EXPRESSION IN CORONARY ARTERY ENDOTHELIAL CELLS 195  
**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 196  
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 197  
**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 198  
**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 199  
**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 200  
**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 201  
**M. Miyazaki** S. Takai, , Osaka Medical College, Takatsuki City, Osaka, Japan
- 18:30 CHYMASE INHIBITOR SUPPRESSED INTIMAL HYPERPLASIA AFTER BALLOON INJURY 202  
**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 203  
**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 204  
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 205  
**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 206  
**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**

Abstract No.

INHIBITION OF EXPERIMENTAL THICKENING IN MICE LACKING A NOVEL G-PROTEIN-COUPLED RECEPTOR

207

**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

208

**S. Cesar**, V. Starc, N. Potocnik, University of Ljubljana, Ljubljana, Slovenia

CIRCULATING ICAM-1, VCAM-1, E-SELECTIN, P-SELECTIN AND TNFARII IN PATIENTS WITH CORONARY ARTERY DISEASE

209

M. Hajilooi, A. Sanati, A. Ahmadih, 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

210

**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

211

**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

212

**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

213

**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

214

**V. Ivanov**, S. Ivanova, M.W. Roomi, S.P. Netke, A. Niedzwiecki, M. Rath, Matthias Rath, Inc., Santa Clara, CA, USA

MONDAY, JULY 14, 2003

08:30 – 18:00

Poster Hall

**P203: Poster Session  
ECHOCARDIOGRAPHY**

| Board No. |  | Abstract No. |
|-----------|--|--------------|
| 1         | TISSUE DOPPLER IMAGING OF LEFT ATRIAL WALL FOR DETECTION OF PSEUDONORMALIZATION OF MITRAL INFLOW PATTERN<br><b>H. Yilmaz</b> , I. Demir, O. Sancaktar, Akdeniz University Faculty of Medicine, Antalya, Turkey | 215          |

|   |  |     |
|---|--|-----|
| 2 | SYSTOLIC AND DIASTOLIC INDICES IN OBESE AND NON-OBESE PATIENTS WITH END-STAGE RENAL DISEASE<br><b>D. Doulgarakis</b> , J. Moyssakis, Ch. Stathakis, N. Tentolouris, N. Pantazopoulos, M. Psallas, D. Stamatidis, V. Votteas, N. Katsilampros, Laiko Hospital and University Medical School, Athens, Greece | 216 |
|---|--|-----|

|   |  |     |
|---|--|-----|
| 3 | GIANT LEFT ATRIUM (GLA): UNUSUAL CAUSE OF CARDIOMEGALY<br><b>N. Shaikh</b> , S. Dingle, D. Berger, Mercy Catholic Medical Center, Darby, PA, USA | 217 |
|---|--|-----|

**P204: Poster Session  
DIAGNOSTIC METHODS**

|   |   |     |
|---|---|-----|
| 4 | VESSEL IMAGING BY INTERFEROMETRIC PHASE-CONTRAST X-RAY TECHNIQUE<br><b>T. Takeda</b> , J. Wu, Y. Tsuchiya, T.T. Lwin, A. Yonoyama, Y. Hirai, Y. Itai, Institute of Clinical Medicine, University of Tsukuba, Ibaraki, Japan | 218 |
|---|---|-----|

|   |  |     |
|---|--|-----|
| 5 | COMPARISON OF PET WITH MAGNETOCARDIOGRAPHY IN CORONARY ARTERY DISEASE DIAGNOSIS<br><b>I. Chaikovsky</b> , C. Berndt, J. Korfer, B. Schrader, B. Yilmatz, D. Horstkotte, SQUID International AG, Essen, Germany | 219 |
|---|--|-----|

|   |  |     |
|---|--|-----|
| 6 | HOW USEFUL IS HAND-CARRIED ECHOCARDIOGRAPHY IN DIFFERENTIAL DIAGNOSIS OF CARDIOMEGALY PATIENTS OF EMERGENCY DEPARTMENT<br><b>S-C. Liu</b> , W-T. Chang, S-Y. Chen, C-H. Huang, H-M. Ma, W-J. Chen, National Taiwan University Hospital, Taipei, Taiwan | 220 |
|---|--|-----|

|   |  |     |
|---|--|-----|
| 7 | DIAGNOSIS OF CORONARY ARTERY DISEASE BASED ON MAGNETOCARDIOGRAPHIC DATA IN PATIENTS WITH COMPLETE LEFT OR RIGHT BUNDL BRUNCH BLOCK<br><b>I. Chaikovsky</b> , M. Primin, S. Auth-Eisernitz, G. Schafer, F. Steinberg, B. Hailer, SQUID International AG, Essen, Germany | 221 |
|---|--|-----|

|   |   |     |
|---|---|-----|
| 8 | VALUE OF POSTERIOR LEADS (V7-V9) IN DIAGNOSIS OF POSTERIOR WALL ST SEGMENT ELEVATION MYOCARDIAL INFARCTION<br><b>A. Rashidi</b> , R. Miri, H. Akbarshahi, Fairview Hospital, Cleveland, Ohio, USA, Iran | 222 |
|---|---|-----|

- 9 OXYSTEROLS PREVENT CRYSTALLIZATION OF CHOLESTEROL IN SUPERSATURATED SOLUTION: RELEVANCE IN ATHEROGENESIS 223  
**L.H. Krut**, St. Louis University and St. Mary's Health Center, St. Louis, MO, USA
- 10 COMPARATIVE CARDIOSCOPIIC AND HISTOLOGIC STUDY OF THE LEFT VENTRICLE IN PATIENTS WITH ACH-INDUCED SEGMENTAL CORONARY SPASM AND DIFFUSE CORONARY NARROWING 224  
**M. Kanai**, T. Tomaru, K. Yosinaa, T. Sakurai, K. Aoyagi, T. Hitsumoto, Y. Sugiyama, H. Noike, H. Ohsawa, Y. Uchida, Toho University Hospital at Sakura, Chiba, Japan

**MONDAY, JULY 14, 2003**

**08:30 – 18:00**

**Poster Hall**

**P205: Poster Session  
 HYPERTENSION, BASIC AND CLINICAL**

- | Board No. |  | Abstract No. |
|-----------|--|--------------|
| 11        | FACTORS ASSOCIATED WITH INADEQUATE BLOOD PRESSURE CONTROL IN HYPERTENSIVE HEMODIALYSIS PATIENTS.<br><b>M. Sulakvelidze</b> , N.N. Kipshidze, Tbilisi State Medical University, Tbilisi, Georgia  | 225          |
| 12        | RELATION OF CUFF AND AORTIC ROOT SYSTOLIC AND DIASTOLIC BLOOD PRESSURES IN LEAN, OVERWEIGHT AND OBESE PATIENTS<br>E. Umana, W. Ahmed, <b>M.A. Alpert</b> , St. John's Mercy Medical Center, St. Louis, MO, USA   | 226          |
| 13        | COMPARATIVE EFFICACY OF COMPLEX THERAPY OF MELATONIN WITH ACE INHIBITORS AND ANTAGONIST (ACETEN, ENALAPRIL, CAPOZID-50, KOZAAR) AND AGONIST OF IMIDAZOLIN RECEPTORS-MOXONIDIN IN HYPERTENSIVE PATIENTS<br><b>R. Zaslavskaja</b> , A. Shakirova, O. Narmanova, N. Bijasilov, L. Makarova, Hospital No. 60, Moscow, Russia                             | 227          |
| 14        | NONINVASIVE BLOOD PRESSURE MEASUREMENT COMPARED WITH INTRA-ARTERIAL BLOOD PRESSURE DURING VIGOROUS MOTION<br><b>K. Vikenes</b> , P. Omvik, Haukeland University Hospital, Bergen, Norway   | 228          |
| 15        | SELECTED HAEMODYNAMICAL CRITERIA AND PLASMA RENIN LEVEL IN PATIENTS WITH NEPHROGENIC ARTERIAL HYPERTENSION<br><b>E.V. Shlyakhto</b> , A.Y. Gudkova, A.M. Essaian, E.N. Semernin, N.V. Naydenova, E.V. Smirnova, A.N. Krutikov, A.V. Smirnov, A.S. Rummyantsev, O.V. Voronova, St. Petersburg State Pavlov Medical University, St. Petersburg, Russia | 229          |

| Board No. | Poster Session<br>PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION   | Abstract No. |
|-----------|---|--------------|
| 16        | <p>ELECTROCARDIOGRAPHIC CRITERIA FOR RIGHT VENTRICULAR HYPERTROPHY IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION</p> <p><b>D.L. Norman</b>, A. Hassankhani, N.S. Sawhney, A. Raisinghani, D.G. Blanchard, University of California, San Diego, CA, USA</p> | 230          |
| 17        | <p>RIGHT VENTRICULAR DIASTOLIC FUNCTION IN SYSTEMIC SCLERODERMA WITH AND WITHOUT PULMONARY HYPERTENSION</p> <p><b>N.J. Pantazopoulos</b>, I. Moyssakis, P. Sfikakis, E. Batzoglou, P. Margos, V. Votteas, Laiko Hospital, Athens, Greece</p>                  | 231          |
| 18        | <p>PREVELANCE AND OUTCOME OF PULMONARY HYPERTENSION IN SYSTEMIC SCLEROSIS</p> <p><b>N.J. Pantazopoulos</b>, I. Moyssakis, Y. Hallak, D. Papadopoulos, P. Sfikakis, V. Votteas, Laiko Hospital, Athens, Greece</p>   | 232          |

MONDAY, JULY 14, 2003

08:30 – 18:00

Poster Hall

**P207: Poster Session**

**ARRHYTHMIAS AND ELECTROPHYSIOLOGY**

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

MONDAY, JULY 14, 2003

---

08:30 – 18:00

Poster Hall

---

**P208: Poster Session**

**ERECTILE DYSFUNCTION AND CORONARY ARTERY DISEASE**

Board No. Abstract No.

27 EFFICACY OF VIAGRA (SILDENAFIL CITRATE) IN MEN WITH  
ERECTILE DYSFUNCTION AND CORONARY ARTERY DISEASE 241  
**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

28 EFFECT OF TRIMETAZIDINE PLUS SILDENAFIL IN THE CONTROL OF  
MYOCARDIAL ISCHEMIA DURING SEXUAL ACTIVITY IN PATIENTS WITH  
CORONARY ARTERY DISEASE IN THERAPY WITH CHRONIC NITRATES 242  
**G.M.C. Rosano**, C. Vitale, B. Sposato, M. Fini, S. Chierchia, San  
Raffaele Roma, Rome, Italy

**P209: Poster Session**

**MISCELLANEOUS II**

29 IMPACT OF PEDIATRIC BASIC LIFE SUPPORT (PBLIS) COURSE IN  
PRIVATE PEDIATRICIAN DOCTOR'S OFFICES 243  
**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?  
**P. Banerjee**, L. Crowe, B. Caulfield, C. Minogue, S. Chattopadhyay,  
M.F. Alamgir, N. Nikitin, J.G.F. Cleland, A.L. Clark, K. Witte, University  
College Dublin, Dublin, University of Hull, Hull, East Yorkshire, UK, Ireland

SPINAL CORD STIMULATION: A POTENTIAL THERAPY IN PATIENTS WITH  
CHRONIC REFRACTORY CORONARY ARTERY DISEASE  
**J. Wolfram**, 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 PROINFLAMATORY  
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



**TUESDAY, JULY 15, 2003**

TUESDAY, JULY 15, 2003

08:30 – 11:00

Columbia B

---

|              |  |             |
|--------------|--|-------------|
| <b>PL13:</b> | <b>Plenary Session</b>   |             |
|              | <b>CORONARY ARTERY DISEASE: PREVENTION, DRUG THERAPY, MODIFICATION OF LIPOPROTEINS</b>   |             |
|              | Chairperson: <b>C. Rosendorff</b> , Bronx, NY, USA   |             |
|              |  | Abstract No |
| 08:30        | GUIDELINES FOR THE PREVENTION OF CORONARY HEART DISEASE: WHAT DOES REALITY LOOK LIKE? FINDINGS FROM GERMANY AND OTHER EUROPEAN COUNTRIES (Invited Lecture)<br><b>U. Keil</b> , University of Muenster, Muenster, Germany                     | 249         |
| 08:45        | BETA BLOCKERS IN ISCHEMIC HEART DISEASE AS "CARDIOPROTECTION" IN THE ERA OF ACE INHIBITION AND RAPID REVASCULARIZATION (Invited Lecture)<br><b>B.F. Uretsky</b> , <b>University of Texas Medical Branch at Galveston, Galveston, TX, USA</b> | 250         |
| 09:00        | MANAGEMENT OF STABLE ANGINA: DRUGS, DEVICES, STENTS OR CORONARY BYPASS SURGERY (Invited Lecture)<br><b>U. Thadani</b> , University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, Oklahoma, USA                    | 251         |
| 09:15        | REDUCING CARDIOVASCULAR EVENTS-FOCUS ON NEW TRIALS (Invited Lecture)<br><b>R. DiBianco</b> , Washington Adventist Hospital, Takoma Park, MD, USA   | 252         |
| 09:30        | STATINS AND STROKE: THE MODE OF ACTION IN STROKE PREVENTION AND THERAPY (Invited Lecture)<br><b>R. Paoletti</b> , C. Bolega, University of Milan, Milan, Italy   | 253         |
| 09:45        | ROSUVASTATIN: A NEW AND POTENT CHOLESTEROL REDUCING AGENT (Invited Lecture)<br><b>W.V. Brown</b> , Emory University/Atlanta VAMC, Atlanta, GA, USA   | 254         |
| 10:00        | ATHEROSCLEROSIS REGRESSION BY LIPID LOWERING (Invited Lecture)<br><b>C. Rosendorff</b> , Mount Sinai School of Medicine, New York, V.A. Medical Center, Bronx, NY, USA   | 255         |
| 10:15        | THE ROLE OF THE MACROPHAGE IN REVERSE CHOLESTEROL TRANSPORT IN VIVO (Invited Lecture)<br><b>O. Stein</b> , Y. Stein, Hadassah Hebrew University Medical School, Jerusalem, Israel  | 256         |
| 10:30        | PLEIOTROPIC ACTIONS OF STATIN AGENTS INCLUDING APPLICABILITY TO CHF (Invited Lecture)<br><b>R.S. Wright</b> , Mayo Clinic, Rochester, MN, USA  | 257         |
| 10:45        | NEW UNDERSTANDING OF ATHEROSCLEROSIS: IS THE LIPID THEORY DEBUNKED? (Invited Speaker)<br><b>W.B. Strawn</b> , C.M. Ferrario, Wake Forest University School of Medicine,  | 258         |

Winston-Salem, NC, USA

TUESDAY, JULY 15, 2003

08:30 – 11:15

Columbia C

---

| <b>S55: Session</b>   |   |              |
|---|---|--------------|
| <b>SURGICAL ASPECTS / VALVULAR HEART DISEASE / CONGENITAL HEART DISEASE</b> |   |              |
|   |   | Abstract No. |
| 08:30   | ROLE OF MIXED VENOUS OXYGEN SATURATION MEASUREMENT IN ADVANCED HEART FAILURE<br><b>G. Bhat</b> , University of Louisville, Jewish Hospital, Louisville, KY, USA   | 259          |
| 08:45   | THREE-DIMENSIONAL OPTICAL COHERENCE TOMOGRAPHY: APPLICATIONS TO CHICK EMBRYO CARDIAC DEVELOPMENT AND DROSOPHILA MELANOGASTER CIRCULATORY FUNCTION<br><b>M.A. Choma</b> , T.M. Yelbuz, L. Thrane, M.L. Kirby, J.A. Izatt, Duke University, Durham, NC, USA, Germany, Denmark     | 260          |
| 09:00   | EXPERIENCE WITH A NEW BIOLOGICAL VALVE: EARLY AND MID-TERM RESULTS<br>L.A. Bockeria, B.N. Sabirov, <b>S.B. Zaets</b> , I.I. Kagramanov, I.V. Kokshenev, V.T. Kostava, D.B. Drobot, New Jersey Medical School, Newark, NJ, USA, Russia   | 261          |
| 09:15   | AFTERLOAD MINIMIZATION IN AORTIC STENOSIS BY LEFT VENTRICULAR DYNAMICS/VALVE ORIFICE MATCHING DURING EJECTION<br>S. Schouvey, <b>K. Isaaz</b> , University of St. Etienne, St. Etienne, France  | 262          |
| 09:30   | CYTOKINE RESPONSE POST-CARDIOPULMONARY BYPASS IN CHILDREN UNDERGOING CONGENITAL HEART SURGERY<br><b>A. Madhok</b> , V. Haridas, M. Gandhi, V.A. Parnell, K. Ojamaa, D. Chowdhury, Schneider Children's Hospital, New Hyde Park, NY, USA   | 263          |
| 09:45   | ECHOCARDIOGRAPHIC CORRELATES OF MITRAL VALVE PROLAPSE AMONG ADULT FILIPINO PATIENTS: PHILIPPINE HEART CENTER EXPERIENCE<br><b>F.S. Agno</b> , J. Navarro, A. Junia, E. Collong, R. Jara, Weill Medical College of Cornell University, New York, NY, USA, Philippines            | 264          |
| 10:00   | TRIPLE VALVE SURGERY – EXPERIENCE IN 545 PATIENTS<br>N.D. Radovanovic, J.J. Lavac, S.R. Nicin, <b>B.B. Mihajlovic</b> , J.J. Selestiansky, P. Kovacevic, M.M. Fabri, Z.S. Jonjev, University Clinic of Cardiovascular Surgery, Sremska Kamenica, Vojvodina, Serbia & Montenegro | 265          |
| 10:15   | FAVOURABLE OUTCOME OF PREGNANCY IN 29 CASES OF EISENMENGER'S SYNDROME<br><b>A. Adarsh</b> , V. Mohan, D. Kaur, GOVT Medical College, Amritsar, Punjab, India  | 266          |
| 10:30   | RISK INDEX AND PREDICTOR OF INTENSIVE CARE UNIT (ICU) MORTALITY AMONG PEDIATRIC PATIENTS AGE 19 & BELOW WITH CHRONIC RHEUMATIC VALVULAR REGURGITATION - A 5-YEAR NONCONCURRENT COHORT STUDY<br><b>S.P. Paragas</b> , Philippine Heart Center, Quezon City, Philippines          | 267          |

**S55** (Continued)

- 10:45 IN-VITRO QUANTIFICATION OF FACTORS THAT OVERWHELM LEAFLET  
COMPENSATORY MECHANISMS FOR MITRAL REGURGITATION IN HEART  
FAILURE 268  
**V. Vijay**, B. Kolanuvada, V. Jorapur, A. Nellutla, S. Dommaraju, T. Mitchell,  
K. McCusker, E. Zias, M. Sarabu, New York Medical College, Valhalla, NY, USA
- 11:00 INTERVENTION FOR REVASCULARIZATION IN DIABETIC PATIENTS: A  
COMPARISON OF STENT IMPLANTATION, BALLOON ANGIOPLASTY AND  
BYPASS SURGERY 269  
T. Sahlev, **H. Gilutz**, J. Zellinger, G. Sosna, D. Pilpel, I. Reuven,  
A. Porath, Soroka Medical Center, Beer Sheva, Israel

TUESDAY, JULY 15, 2003

11:15 – 14:00

Columbia B

**PL14: Plenary Session  
NEW HORIZONS IN THE MANAGEMENT OF HEART FAILURE**

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

Abstract No.

|       |  |     |
|-------|--|-----|
| 11:15 | HOSPITALIZATION FOR HEART FAILURE: PATHOPHYSIOLOGY AND MANAGEMENT (Invited Lecture)<br>L. Klein, <b>M. Gheorghiade</b> , Northwestern University, Feinberg Medical School, Chicago, IL, USA  | 270 |
| 11:30 | DECOMPENSATED HEART FAILURE - NEW VERSUS OLD THERAPY (Invited Lecture)<br><b>U. Elkayam</b> , University of Southern California, CA, USA   | 271 |
| 11:45 | EXERCISE TRAINING IN PATIENTS WITH CHRONIC HEART FAILURE: WHY, WHEN AND HOW MUCH? (Invited Lecture)<br><b>G. Gorge</b> , T. Meyer, Klinikum Saarbrucken, Saarbrucken, Germany  | 272 |
| 12:00 | NEW THERAPEUTIC APPROACHES FOR CONGESTIVE HEART FAILURE (Invited Lecture)<br><b>R.C. Bourge</b> , University of Alabama at Birmingham, Birmingham, AL, USA   | 273 |
| 12:15 | TARGETING PHOSPHOLAMBAN AS A THERAPEUTIC MODALITY IN HEART FAILURE (Invited Lecture)<br><b>E.G. Kranias</b> , University of Cincinnati, Cincinnati, OH, USA  | 274 |
| 12:30 | NEW THERAPIES FOR HEART FAILURE (Invited Lecture)<br><b>R.E. Hobbs</b> , Cleveland Clinic Foundation, Cleveland, OH, USA   | 275 |
| 12:45 | THE MANAGEMENT OF HEART FAILURE IN 2003 - PEARLS AND PITFALLS (Invited Lecture)<br><b>M.R. Johnson</b> , University of Wisconsin Medical School, Madison, WI, USA  | 276 |
| 13:00 | THE EVOLVING ROLE OF ULTRAFILTRATION THERAPY FOR THE DECOMPENSATED HEART FAILURE PATIENT: NOT JUST FOR THE NEPHROLOGIST ANYMORE (Invited Lecture)<br><b>M. Saltzberg</b> , J. Pouliot, Midwest Heart Specialists, Downers Grove, IL, USA | 277 |
| 13:15 | IS PALLIATIVE CARE USEFUL FOR PATIENTS WITH SEVERE HEART FAILURE<br><b>H. J Geschwind</b> , 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

279

TUESDAY, JULY 15, 2003

11:15 – 13:45

Columbia C

**S56: 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<br><b>P. Misra</b> , P.C. Reddy, G.C. Caldito, M.C. Mancini, Louisiana State University Health Sciences Center, Shreveport, LA, USA   | 280          |
| 11:30 | EFFECTIVENESS OF MULTIDISCIPLINARY PATIENT COUNSELLING IN REDUCING CARDIOVASCULAR DISEASE RISK FACTORS THROUGH NON-PHARMACOLOGICAL INTERVENTION: RESULTS FROM THE HEALTHY HEART PROGRAM<br><b>D.R. Simpson</b> , B.G. Dixon, P. Bolli, Hotel Dieu Health Sciences Hospital, St. Catharines, Ontario, Canada | 281          |
| 11:45 | IMPACT OF INTENSIVE CORONARY ARTERY DISEASE MANAGEMENT ON MEDICATION ADHERENCE AND CLINICAL OUTCOMES<br><b>L. Houston-Feenstra</b> , R.V. Jutzy, K. Jutzy, L. Lianov, S. Lee, S. Dyer, Loma Linda University Medical Center, Loma Linda, CA, USA  | 282          |
| 12:00 | STATINS NORMALIZE ACUTE REDUCTION IN ANTIBODIES TO MDA MODIFIED LDL AFTER A POLYUNSATURATED FATTY MEAL<br><b>M.T. Harris</b> , G. Saliashvili, W.W. Davis, N.A. Le, M. Moussa, W.V. Brown, Emory University School of Medicine, Atlanta, GA, USA  | 283          |
| 12:15 | LEVEL OF ADHERANCE TO NCEP ATP III GUIDELINES – ARE WE DOING IT RIGHT?<br><b>S.R. Punnam</b> , Crozer Chester Medical Center, Temple University, Philadelphia, PA, USA  | 284          |
| 12:30 | SECONDARY RISK FACTORS IN CARDIAC SURGERY<br><b>P.C. Shah</b> , W.J. Davis III, M. Vaynblat, M. Chaviarelli, R. Fazylov. J.N.Cunningham Jr, Maimonides Medical Center, SUNY Health Science Center, Brooklyn NY, USA   | 285          |
| 12:45 | SIMVASTATIN TREATMENT IMPROVES ARTERIAL COMPLIANCE IN THE THIGH IN TWO MONTHS IN HIGH RISK PATIENTS   | 286          |

**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

13:00      INSULIN IMPROVES ISCHEMIA-REPERFUSED CARDIOMYOCYTE  
CONTRACTILE FUNCTIONAL RECOVERY: KEY ROLE OF AKT      287  
**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      288  
**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      289  
**H. Gilutz**, J. Zelingher, Y. Henkin, D.Y. Bonne, Z. Liss, R. Peleg, M. Mayslus,  
R. Ilia, D. Vardy, A. Porath, Soroka Medical Center, Beer Sheva, Israel



TUESDAY, JULY 15, 2003

---

08:30 – 14:00

Poster Hall

---

**P301: Poster Session  
DRUG THERAPY IN ISCHEMIC HEART DISEASE**

| Board No. |   | Abstract No. |
|-----------|---|--------------|
| 1         | 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<br><b>M. Arh</b> , M.V. Budihna, University of Ljubljana, Ljubljana, Slovenia | 290          |
| 2         | COMPARATIVE EFFICACY OF THERAPY WITH ALTAZEM RR AND DILREN IN ELDERLY PATIENTS WITH ISCHEMIE HEART DISEASE, STENOCARFIA, FUNCTIONAL CLASSES II-III<br><b>R. Zaslavskaya</b> , G. Dilmagambetova, Hospital No. 60, Moscow, Russia  | 291          |
| 3         | ACE-INHIBITORS AND B-BLOCKERS: COMPARISON OF THEIR EFFECT ON QT DISPERSION IN PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION<br>H. Jain, <b>N. Shaikh</b> , M. Mathew, Mercy Catholic Medical Center, Darby, PA, USA  | 292          |

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

|   |  |     |
|---|--|-----|
| 4 | SUBCLINICAL ISHEMIC CHANGE OF MYOCARDIUM: LEFT VENTRICULAR GEOMETRY IN PATIENTS WITH FIRST UNSTABLE ANGINA PECTORIS<br><b>M.R. Babaskiene</b> , J. Janenaite, D. Luksiene, B. Slapikiene, R. Grybauskiene, P. Grybauskas, R. Cerniauskiene, Kaunas University of Medicine, Kaunas, Lithuania | 293 |
|---|--|-----|

TUESDAY, JULY 15, 2003

08:30 – 14:00

Poster Hall

**P303: Poster Session**  
**SECONDARY PREVENTION, PROGNOSIS, RISK STRATIFICATION**

| Board No. |  | Abstract No. |
|-----------|--|--------------|
| 5         | PLEIOTROPIC EFFECT OF ATORVASTATIN IN PATIENTS WITH ATHEROSCLEROSIS<br><b>N.N. Kipshidze</b> , I. Petriashvili, M. Sulakvelidze, National Center of Therapy, Tbilisi, Georgia  | 294          |
| 6         | ASSOCIATION OF CHLAMYDIA PNEUMONIAE DETECTION IN THE HUMAN AORTIC WALL AND EXTENT OF ATHEROSCLEROTIC DISEASE<br><b>M. Porqueddu</b> , R. Spirito, A. Parolari, M. Zanobini, G. Pompilio, G. Polvani, F. Alamanni, E. Tremoli, P. Biglioli, Centro Cardiologico "Monzino Foundation", Milan, Italy  | 295          |
| 7         | CLINICAL EVENTS IN HEART DISEASE PATIENTS WITH LOW LEFT VENTRICULAR EJECTION FRACTION: 3 YEAR FOLLOW-UP RESULTS<br><b>M.C. Elliott-Eller</b> , 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   | 296          |
| 8         | PERIOPERATIVE DETERMINANTS OF MORBIDITY AND MORTALITY IN ELDERLY HYPERTENSIVE PATIENTS UNDERGOING NON-CARDIAC SURGERY<br><b>J.S.A. Capunitan</b> , J.R.G. Torres R.E. Ramboyong, E.V.S. Caguioa, UST Hospital, Manila, Philippines   | 297          |
| 9         | HEART RATE VARIABILITY, ANXIETY AND DEPRESSION AFTER A CARDIAC REHABILITATION PROGRAM<br><b>A.R. Leal</b> , C.A. Paiva, F.M. Ferreira, J.L. Gomes, HGSA, Porto, Portugal   | 298          |
| 10        | HIGH RISK CORONARY PATIENTS - IS SELF PERCEPTION OF HEALTH THE MOST IMPORTANT FACTOR CONTRIBUTING TO IMPROVEMENT OF QUALITY OF LIFE AFTER SURGERY?<br><b>B.B. Mihajlovic</b> , 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 | 299          |
| 11        | QUALITY OF LIFE FIVE YEARS AFTER CORONARY SURGERY<br><b>B.B. Mihajlovic</b> , 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  | 300          |

- 12 THE SOCIO-DEMOGRAPHIC PROFILES OF ACUTE CORONARY SYNDROME AND THEIR CORRELATION WITH PRE-HOSPITAL DELAY AND CLINICAL OUTCOME 301  
**R.T. Tibayan**, P.E. Ramboyong, E.V.S. Caguioa, University of Santo Tomas Hospital, Manila, Philippines
- 13 THE POSTPRANDIAL LIPEMIA, OXIDATIVE SUSCEPTIBILITY OF LOW DENSITY LIPOPROTEIN IN PATIENTS WITH CORONARY HEART DISEASE 302  
**B. Zhao**, J. Zhang, W. Li, L. Liu, Tianjin Heping Hospital of Traditional Chinese Medicine, Tianjin, China

TUESDAY, JULY 15, 2003

---

08:30 – 14:00

Poster Hall

---

**P304: Poster Session**  
**MODIFICATION OF LIPOPROTEINS AND CORONARY ARTERY DISEASE**

Board No. Abstract No.

14 THE INVERSE RELATIONSHIP BETWEEN PRE-TREATMENT  
LDL-CHOLESTEROL AND LDL-GOAL ATTAINMENT (REALITY –  
STUDY GERMANY) 303  
**K.J. Krobot**, D.D. Yin, L.E. Melilli, E. Alemao, E. Steinhagen-Thiessen,  
MSD Sharp & Dohme GMBH, Haar, Germany, USA

15 INITIAL TREATMENT OF HYPERCHOLESTEROLEMIA PATIENTS WITH  
LIPID LOWERING DRUGS AND LDL-C GOAL ATTAINMENT IN SPAIN 304  
**F.J. García Ruiz**, A.M. Ibanez, F. Perez-Jimenez, U. Lipidos, X. Pinto,  
U. Lipidos, G. Nocea, M.A. Casado, J. Erbey, E. Alemao, D.D. Yin,  
CS Las Águilas, Madrid, Spain, USA

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

16 ACE GENE AND LEFT VENTRICULAR HYPERTROPHY IN PATIENTS WITH  
DIABETES MELLITUS TYPE 2 305  
**K. Puzyrev**, O. Koshelskaya, T. Kosyankova, E. Efimova, A. Falkovskaya,  
Research Institute of Cardiology, RAMS, Tomsk, Russia

17 TRIMETAZIDINE IMPROVES LEFT VENTRICULAR FUNCTION IN DIABETIC  
PATIENTS WITH CORONARY ARTERY DISEASE 306  
**G.M.C. Rosano**, C. Vitale, B. Sposato, M. Fini, S. Chierchia,  
San Raffaele Roma, Rome, Italy

18 EFFECTS OF BERBERINE ON TNF-ALPHA AND ACTIVITY OF ALDOSE  
REDUCTASE IN TYPE 2 DIABETIC NEPHROPATHY 307  
**X.H. Zeng**, Y.Y. Li, X.J. Zeng, Chengdu Second People's Hospital, Chengdu,  
Sichuan, China

TUESDAY, JULY 15, 2003

08:30 – 14:00

Poster Hall

**P306: Poster Session**

**PRIMARY PREVENTION OF CORONARY ARTERY DISEASE**

| Board No. |   | Abstract No. |
|-----------|---|--------------|
| 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<br><b>D.B. Panagiotakos</b> C. Pitsavos, C. Chrysohoou, K. Tzioumis, J. Skoumas, P. Stravopodis, M. Toutouza, M. Skoumbourdis, C. Stefanadis, P. Toutouzas, Cardiology Clinic, University of Athens, Greece | 308          |
| 20        | EFFECT OF ARTIFICIAL FIBER COMPLEXES ON LIPID METABOLISM IN HYPERCHOLESTEROLEMIC RATS<br><b>B. Zhao</b> , L. Liu, W. Li, Tianjin Heping Hospital of Traditional Chinese Medicine, Tianjin, China  | 309          |
| 21        | RELATIONSHIP OF ADVERSE DIET, ANTHROPOMETRY AND PHYSICAL ACTIVITY TO HYPERLIPIDEMIA IN ADOLESCENTS AND YOUNG ADULTS<br><b>R. Sharma</b> , 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  | 310          |
| 22        | FACTORS AND RISK ESTIMATION OF CORONARY HEART DISEASE IN "HEALTHY" POPULATION<br><b>M.I. Kelmendi</b> , R.H. Bejiqi, University Children's Hospital, Prishtina, UNMIK, Kosova, Albania  | 311          |
| 23        | CORRELATION BETWEEN THE PREVALENCE OF CONVENTIONAL AND PSYCHOLOGICAL RISK FACTORS<br><b>P.I. Kikeli</b> , Z.P. Preg, P.M. Polinger Hubatsch, M.F. Fejer, University of Medicine and Pharmacy, Targu Mures, Romania  | 312          |
| 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<br>M.J. Mahmoodi <b>A. Ahmadvand</b> , E. Nematipoor, N. Karimi, , Tehran University of Medical Sciences, Tehran, Iran  | 313          |
| 25        | HYPERTENSION: A PREVENTION PROGRAM FOR IMMIGRANT TURKISH WOMEN<br><b>M. Hochleitner</b> , Innsbruck University Hospital, Austria  | 314          |
| 26        | LIPOPROTEIN(A) IS PREDICTIVE OF ANGIOGRAPHIC DISEASE IN YOUNG WOMEN BUT NOT IN YOUNG MEN<br><b>K.O. Akosah</b> , A.M. Schaper, S.I. Barnhart, S.M. Devine, Gundersen Lutheran, La Crosse, WI, USA   | 315          |

TUESDAY, JULY 15, 2003

---

08:30 – 14:00

Poster Hall

---

**P307: Poster Session  
NATRIURETIC PEPTIDES**

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

**P308: Poster Session  
DILATED CARDIOMYOPATHY: VARIOUS ETIOLOGIES**

|    |   |     |
|----|---|-----|
| 28 | DIFFERENCES IN PROGNOSIS IN PATIENTS WITH ALCOHOLIC AND IDIOPATHIC DILATED CARDIOMYOPATHY<br><b>S.M.R. Amorim</b> , J. Silva-Cardoso, M. Campelo, B. Moura, E. Martins, C. Abreu-Lima, Hospital Sao Joao, Porto, Portugal   | 317 |
| 29 | CARDIAC - RELATED TOXOCARIASIS; REVIEW OF THE LITERATURE<br><b>W. Taungjaruwinai</b> , Chulalongkorn University, Bangkok, Thailand  | 318 |
| 30 | CARDIAC - RELATED SALMONELLA INFECTION IN THAILAND; AN OVERVIEW OF DOCUMENTED CASES<br><b>W. Taungjaruwinai</b> , V. Wiwanitkit, Chulalongkorn University, Bangkok, Thailand  | 319 |
| 31 | TACHYCARDIA MEDIATED CARDIOMYOPATHY AND SUDDEN CARDIAC DEATH SECONDARY TO WOLFF-PARKINSON-WHITE SYNDROME<br><b>D. Kamra</b> , R. Pareek, B. Kantharia, F. Padder, Aurora Sinai Medical Center, Milwaukee, WI, USA   | 320 |
| 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<br><b>J.N.A. Ajuluchukwu</b> , A.C. Mbakwem, F.A. Daniel, University of Lagos, Lagos, Nigeria | 321 |

TUESDAY, JULY 15, 2003

---

08:30 – 14:00

Poster Hall

---

**P309: Poster Session**  
**LEFT VENTRICULAR HYPERTROPHY AND HYPERTROPHIC CARDIOMYOPATHY**

| Board No.    |  | Abstract No. |
|--------------|--|--------------|
| 33           | ENHANCED BLOOD PRESSURE VARIABILITY IN NORMOTENSIVE MICE CAUSES CARDIAC HYPERTROPHY AND DIASTOLIC DYSFUNCTION<br><b>P. Martinka</b> , P.B. Persson, A. Patzak, H.M. Stauss, Humboldt University (Charite), Berlin, Germany, USA  | 322          |
| 34           | MECHANISMS UNDERLYING CARDIAC DYSFUNCTION IN HEART FAILURE DUE TO VOLUME OVERLOAD<br><b>E. Cantor</b> , A. Babick, S. Rath, X. Yao, W. Zhang, R. Temsah, E. Sentex, N.S. Dhalia, T. Netticadan, University of Manitoba, Winnipeg, MB, Canada                                 | 323          |
| 35           | HYPERTROPHIC CARDIOMYOPATHY: THE LAGOS UNIVERSITY TEACHING HOSPITAL EXPERIENCE<br><b>A.C. Mbakwem</b> , D.A. Oke, J.N.A. Ajuluchukwu, College of Medicine, University of Lagos, Nigeria*   | 324          |
| 36           | PATHOLOGICAL CHARACTERISTICS OF SCAR FORMATION AFTER PERCUTANEOUS TRANSLUMINAL SEPTAL MYOCARDIAL ABLATION<br><b>K. Tamura</b> , S. Ono, M. Takayama, H. Yoshida, Y. Sugisaki, Nippon Medical School, Tokyo, Japan  | 325          |
| 37           | LONG TERM FOLLOW UP OF 147 CASES OF HYPERTROPHIC CARDIOMYOPATHY (HCM)<br><b>K. Adarsh</b> , S.P. Singh, A. V. Mohan, Govt Medical College/G.N.D. Hospital, Amritsar, Punjab, India   | 326          |
| <b>P310:</b> | <b>Poster Session</b><br><b>PHARMACOTHERAPY</b>  |              |
| 38           | CARDIOTOXICITY INDUCED BY DIGITALIS COMPOUNDS PRODUCES APOPTOSIS IN GUINEA PIGS CARDIOMYOCYTES<br><b>M. Ramirez</b> , G. Zarco, J. Chanona, R. Nunez, A. Sanchez, J. Suarez, O. Picazo, G. Pastelin, Instituto Nacional de Cardiologia "Ignacio Chavez" Mexico, D.F., Mexico | 327          |
| 39           | CLINICAL AND HAEMODYNAMIC IRBESARTAN EFFECTS ON PATIENTS WITH ACUTE MYOCARDIAL INFARCTION, COMPLICATED WITH HEART FAILURE PROGRESSION<br><b>S.R. Dadashzade</b> , I.I. Knyazkova, Institute of Therapy of AMS of Ukraine, Kharkov, Ukraine                                   | 328          |
| 40           | POSTINFARCTION LEFT VENTRICULAR REMODELLING: IMPACT OF IRBESARTAN<br>L.T. Malaya, <b>S.R. Dadashzade</b> , I.I. Knyazkova, Institute of Therapy of AMS of Ukraine, Kharkov, Ukraine  | 320          |

TUESDAY, JULY 15, 2003

---

08:30 – 14:00

Poster Hall

---

P311: Poster Session

---

MISCELLANEOUS

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



**P311:** (Continued)

- |    |  |     |
|----|--|-----|
| 48 | NON-INVASIVE ASSESSMENT OF ENDOTHELIAL FUNCTION IN HEART FAILURE<br><b>V.S. Nikiforov</b> , A.S. Svistov Medico-Military Academy, St. Petersburg, Russia   | 337 |
| 49 | FREE-FLOATING THROMBUS IN THE RIGHT HEART: ROLE OF ECHOCARDIOGRAM AND THROMBOLYTIC THERAPY<br><b>R. Pareek</b> , D. Kamra, B. Jaar, R. Verma, D. Rolston, MCP/Hahnemann University-GraduateHospital, Philadelphia, PA, USA | 338 |
| 50 | AN UNUSUAL LEFT ATRIAL MASS<br><b>F.H. Madziwa</b> , S.N.C. Makoni, Mercy Catholic Medical Center, Darby, PA, USA  | 339 |