

VANCOUVER, BC • 2011



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

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

PROGRAM

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16th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2011

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Faculty Disclosure Policy:

It is the policy of the International Academy of Cardiology to ensure balance, independence, objectivity, and scientific rigor in all its educational programs. All presenters are expected to disclose to the Congress audience any real or apparent conflict of interest related to the content of their presentations.

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PROGRAM

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Dear Friend and Colleague,

On behalf of the Organizing Committee, it is my great pleasure to welcome you to Vancouver and to the International Academy of Cardiology, 16th World Congress on Heart Disease, Annual Scientific Sessions 2011.

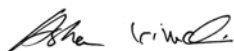
The Congress has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiovascular medicine, primarily in the areas of molecular biology, coronary artery disease, heart failure, cardiac arrhythmias and cardiac surgery.

Many distinguished cardiologists and scientists have joined the faculty and will take part in this Congress. Papers will be presented in the form of plenary sessions, symposia and posters and will include superb scientific material that was carefully selected by the Scientific Abstract Review Committee from over 800 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 59 countries, assure that the meeting will be a major scientific event.

We would like to express our thanks to the pharmaceutical and manufacturing industry for their generous support, to Target Conferences for their excellent arrangements in all aspects of the Congress, and to our dedicated staff, colleagues, friends and families for their untiring help, support and advice in planning and arranging this meeting.

We hope that you will enjoy the Congress and that your interaction with your colleagues from many different countries will stimulate a creative exchange of ideas and will be personally rewarding. We also hope and trust that you will enjoy your visit to the very beautiful and exciting city of Vancouver.

Yours sincerely,



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ACKNOWLEDGEMENTS

We would like to offer very special thanks to the following companies and organizations for their generous unrestricted educational grants. Their financial support has helped make this congress possible.

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The International Academy of Cardiology expresses its sincere thanks to the following individuals:

Gerald F. Edelstein, partners, associates and staff of Edelstein, Laird & Sobel, P.C., Los Angeles, USA, for their continuing support and invaluable contribution in arranging the legal aspects of the Congress, and to our dedicated staff who helped bring this meeting to reality:

Steve Adler
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Karen H. Burstein
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Bob Kazmer
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Mike Perchig
Kelsey L. Pomykala
Stacey Stauber
Gail Tito
Elizabeth Rose Tria
Cheryl M. Yashar

GENERAL INFORMATION

VENUE AND HEADQUARTERS HOTEL

The Hyatt Regency Vancouver is the venue and headquarters hotel of the International Academy of Cardiology
16th World Congress on Heart Disease
Annual Scientific Sessions 2011
Hotel Address:
655 Burrard Street, Vancouver, BC, V6C 2R7, Canada
Tel: +1 604 683 1234; Fax: +1 604 689 3707

LANGUAGE

The official language of the Congress is English.

REGISTRATION DESK

The Registration Desk will operate as follows:

Saturday, July 23, 2011	16:00 - 20:00 hours
Sunday, July 24, 2011	08:00 - 18:00 hours
Monday, July 25, 2011	08:00 - 18:00 hours
Tuesday, July 26, 2011	08:00 - 14:00 hours

PROJECTION EQUIPMENT

If using a Powerpoint (or any other computer) presentation, please note you need to provide the presentation on a CD, DVD or memory stick (using the USB port in the computer) and load it onto one of the congress' computers in the Speakers Ready Room, at least 1 hour before the start of your session. You may bring your own computer as back up but please check it together with the technician in the session hall where your lecture will take place, during the break prior to your session.

If combining video film with PowerPoint, please make sure to check your presentation in the session hall where your lecture is taking place during a coffee or lunch break prior to your session, at least 30 minutes before the start of the session – even after checking it in the Speakers Ready Room.

Please note that the congress' computers in the session halls are supplied with Office 2007.

Important note for Macintosh users:

If using a Macintosh laptop computer, please note that you must provide your own computer and confirm that it has a VGA socket for external signal. On arrival at the Congress please check your computer in the Speakers' Ready Room and again in the session hall where your lecture will take place, at least 1 hour before the start of your session.

Please note that VHS video projection, 35 mm' slide projection and overhead projection will not be available.



GENERAL INFORMATION (cont'd)

POSTER PRESENTATIONS

Please see the program for the exact date of your poster presentation. Presenters must put up their posters from 07:45 if presenting in the morning session on the relevant day of their presentation and remove them by 13:00. If presenting in the afternoon session, posters should be put up by 13:30 and dismantled by 18:30 on the same day.

PLEASE NOTE:

The Congress Organizers are not responsible for posters that have not been removed / collected by the end of designated sessions.

Please make yourself available next to your poster during coffee and lunch breaks to answer possible questions.

EXHIBITION

An exhibition will take place during the Congress and will be open as follows:

Saturday, July 23, 2011	18:30 - 20:00 hours
Sunday, July 24, 2011	10:00 - 17:00 hours
Monday, July 25, 2011	10:00 - 17:00 hours
Tuesday, July 26, 2011	10:00 - 13:00 hours

ATTENDANCE CERTIFICATES

An attendance certificate will be provided upon request for participants who need proof of attendance for income tax or other purposes.

GET-TOGETHER RECEPTION

Registered participants are invited to the Get-Together Reception, which will take place in the Regency C Ballroom of the Hyatt Regency Vancouver on Saturday, July 23 between 18:30 – 20:00 hours.

FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Monday, July 25, 2011 at 20:00. Tickets to the dinner are sold-out and no more tickets may be purchased.

GENERAL INFORMATION (cont'd)

INSURANCE

The Congress Secretariat and Organizers cannot accept liability for personal accidents or loss of, or damage to, private property of participants, students and accompanying persons, either during or indirectly arising from the 16th World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.

CONGRESS SECRETARIAT

International Academy of Cardiology
16th World Congress on Heart Disease
Annual Scientific Sessions 2011
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ORGANIZERS

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SOCIAL PROGRAM

SATURDAY, JULY 23, 2011

GET -TOGETHER RECEPTION

18:30 – 20:00

Get-Together Reception in the Regency C Ballroom of the Hyatt Regency Vancouver on Saturday, July 23 at 18:30 hours.

MONDAY, JULY 25, 2011

FAREWELL DINNER (Optional)

20:00

The Farewell Dinner will take place on Monday, July 25, 2011 at 20:00. Tickets to the dinner are sold-out and no more tickets may be purchased.

LIST OF EXHIBITORS

We would like to acknowledge the following companies for contributing their financial support and educational exhibits to this congress:

- ABCAM, INC
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INTERNATIONAL ACADEMY OF CARDIOLOGY
16th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2011

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

**SCIENTIFIC
PROGRAM**

Sunday, July 24, 2011

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SUNDAY, JULY 24, 2011

09:00 – 09:35

Hall A

OC: OPENING CEREMONY

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

GREETINGS

Asher Kimchi, USA

Founder and Chairman

International Academy of Cardiology

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Chairman, Section of Cardiovascular Surgery

International Academy of Cardiology

Jeffrey S. Borer, USA

Member, Scientific Executive Committee

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International Academy of Cardiology

PRESENTATION OF 2011 AWARDS

John A. Eleftheriades, USA

Jeffrey S. Borer, USA

09:35 – 10:15

Hall A

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

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

09:35 INTRODUCTION

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

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

197

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

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

PL:01 Plenary Session

APOPTOSIS, TISSUE REGENERATION AND CARDIAC REMODELLING IN HEART DISEASE

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

Abstract No.

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

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

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

Abstract No.

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

S21

Session

METABOLIC SYNDROME, TYPE II DIABETES AND ATHEROSCLEROSIS

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

Abstract No.

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

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

10:45 – 13:00

Hall D

S22

Session

PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY/CONGENITAL HEART DISEASE

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

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

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

SUNDAY, JULY 24, 2011

Abstract No.

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

08:00 – 13:00

Poster Hall

P101 VASCULAR BIOLOGY, BASIC RESEARCH I

Board No

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

P102 BIOCHEMICAL MARKERS FOR RISK ASSESSMENT IN CARDIOVASCULAR DISEASE

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

SUNDAY, JULY 24, 2011

P103 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES I

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

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

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

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P105 CARDIAC PACEMAKERS AND IMPLANTABLE CARADIOVERTER – DEFIBRILLATOR THERAPY

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

PL:03 Plenary Session
NEW MANAGEMENT STRATEGIES FOR CARDIAC ARRHYTHMIAS

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

Abstract No.

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

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

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

Abstract No.

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

S23

Session

NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES

Chairpersons: **N.I. Angomachalelis**, Thessaloniki, Greece
S. Dalla-Volta, Padova, Italy

Abstract No.

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|-------|--|-----|
| 14:00 | IN THE SETTING OF LVH WITH HYPERTROPHIC CARDIOMYOPATHY SHOULD WE EXPECT TO SEE RVH? A CARDIOVASCULAR MRI STUDY
R.W. Biederman , S.B. Grant, J.A. Yamrozik, R.B. Williams, M. Doyle
Allegheny General Hospital, Pittsburgh, PA, USA | 094 |
| 14:15 | THERAPEUTIC EFFECTS OF MAPK INHIBITORS ON DILATED CARDIOMYOPATHY IN LMNA N195K MICE
T. Tsubouchi , S. Amina, G. Song, R.C. Balijepalli, T.A. Hacker, M.R. Wolff
University of Wisconsin-Madison, Madison, WI, USA | 095 |
| 14:30 | DETERIORATED HEART FUNCTION AFTER MYOCARDIAL INFARCTION IN GHRELIN KNOCKOUT MICE
Y. Mao , T. Tokudome, K. Otani, I. Kishimoto, K. Kangawa
National Cerebral and Cardiovascular Center, Osaka, Japan | 096 |
| 14:45 | CORONARY ARTERY DISEASE AND TAKOTSUBO CARDIOMYOPATHY: CULPRIT OR INNOCENT BYSTANDER?
G.A. Delgado , A.G. Truesdell, R.M. Kirchner, R.W. Zuzek, E.V. Pomerantsev, P.C. Gordon, R.A. Regnante, Warren Alpert Medical School of Brown University, Providence, RI, USA | 097 |
| 15:00 | ELECTROCARDIOGRAM IN THE ASSESSMENT OF LEFT ATRIAL ENLARGEMENT AND LEFT VENTRICULAR HYPERTROPHY: COMPARISON WITH TWO-DIMENSIONAL ECHOCARDIOGRAM AND CARDIAC MAGNETIC RESONANCE IMAGING
S. Kumar , R.S. Marfatia, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar
University of Connecticut Health Center, Farmington, CT, USA | 098 |
| 15:15 | VERAPAMIL AMELIORATES SEPTIC CARDIOMYOPATHY INDUCED BY CECAL LIGATION AND PUNCTURE IN MICE
M.R.N. Celes, C.M. Prado, E.C. Campos, L.M. Malvestio, V. Blefari, F.Q. Cunha, H.B. Tanowitz, M.A. Rossi
Faculty of Medicine of Ribeirao Preto, USP, Brazil | 099 |
| 15:30 | PATTERN AND SIGNIFICANCE OF DISTRIBUTION OF LEFT VENTRICULAR HYPERTROPHY IN HYPERTROPHIC CARDIOMYOPATHY: COMPARISON BETWEEN ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE IMAGING
P.F. Pollice , P.P. Pollice, B.L. Leclercq, Private Clinic, Andria, BT, Italy | 100 |
| 15:45 | SUPPRESSION OF LEFT VENTRICULAR HYPERTROPHY BY PHOSPHODIESTERASE - 5 INHIBITORS: THE ROLE OF CALCINEURIN AND P 38 MAPK
S.Y. Khatib , A. Zeidan
Department of Physiology, Faculty of Medicine, Jordan University of Science & Technology, Irbid, Jordan | 101 |

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



Tourism Vancouver-John Sinal

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Session

MOLECULAR CARDIOLOGY, BASIC RESEARCH

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

Abstract No.

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

PL:05 Plenary Session
GENES, GENETICS AND GENOMICS - FRIENDS AND FOES

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

Abstract No.

16:45	CLINICAL APPLICATION OF GENETIC AND MOLECULAR MEDICINE IN ACUTE CORONARY SYNDROME (Invited Lecture) L.C. Becker , Johns Hopkins University School of Medicine, Baltimore, MD, USA	114
17:00	NPR1 GENE PROVIDES THE PROTECTIVE MECHANISMS IN CARDIOVASCULAR EVENTS (Invited Lecture) K.N. Pandey , Tulane University School of Medicine, New Orleans, LA, USA	115
17:15	GENETICS OF CAD - WHERE DO WE STAND? (Invited Lecture) M.P. Reilly , University of Pennsylvania Medical Center, Philadelphia, PA, USA	116
17:30	ECONOMIC ANALYSIS OF THE FAILING HUMAN HEART (Invited Lecture) J.L. Hall , R. John, K. Liao, N. Turner, P. Barton, C. McTiernan, A. Mackey Heart Institute University of Minnesota, MN, USA	117
17:45	MICRORNA-1 INHIBITS MYOCARDIN-INDUCED CONTRACTILITY OF HUMAN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture) X.L. Zheng , The University of Calgary, Calgary, AB, Canada	118
18:00	FUTURE MEDICINE, SYSTEM BIOLOGY, AND MICROCIRCULATION (Invited Lecture) M. Navab , David Geffen School of Medicine at UCLA, Los Angeles, CA, USA	119
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S25

Session

SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL

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

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- | | | |
|-------|---|-----|
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V. Kapil, A.B. Milsom, V. Pearl, S. Maleki-Toyserkani, M. Yousuf, R. MacAllister, N. Benjamin, A.J. Webb, A.J. Hobbs, A. Ahluwalia
Barts & The London Medical School, London, UK | 133 |
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C.M. Larsen , R.J. Le, R.P. Frantz, M.D. McGoon, G.C. Kane
Mayo Clinic, Rochester, MN, USA | 134 |
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Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain | 135 |
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Y. Birnbaum , J. Qian, J.R. Perez-Polo, Y. Ye
University of Texas Medical Branch, Galveston, TX, USA | 136 |
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University of Connecticut Health Center, Farmington, CT, USA | 139 |
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Monash University, Melbourne, Victoria, Australia | 140 |

- 18:45 ALISKIREN ALONE OR IN COMBINATION WITH HYDROCHLOROTHIAZIDE IN PATIENTS WITH THE LOWER RANGES OF STAGE 2 HYPERTENSION: THE ACQUIRE RANDOMIZED, DOUBLE-BLIND STUDY
H.R. Black, **F.A. Aguirre Palacios**, M. Bijarnia, A.K. Laflamme, F. Baschiera
Hospital Militar de Guayaquil HD-II-DE "Libertad", Guayaquil, Guayas, Ecuador 141
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J. Boergel, Katharinen Hospital, Unna, Germany 142

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Poster Hall

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10	OUR EXPERIENCE OF TREATMENT OF OCCLUSIVE DISEASES OF LOWER LIMB USING AUTOLOGOUS STEM CELLS A. Gaibov , U. Kurbanov, B. Karimzade, T. Gulmuradov, M. Khidirov, S. Muminjonov, A. Didory, J. Irgasheva, M. Rakhmatov, M. Mirshahi Avicenna Tajik State Medical University, Dushanbe, Tajikistan	152
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36	<p>CLINICAL PRACTICE AND WORKUP OF THE SYNCOPE PATIENT: APPLICATION OF THE AHA/ACC GUIDELINES AND EVIDENCE BASED PRACTICE TO CLINICAL MEDICINE: ARE WE PASSING THE GRADE? F.A. Fakorede, B.A. Waldman, T.B. Cartwright, A.K. Patel, E.L. Iliadis Division of Cardiology, Cooper University Hospital, Camden, NJ, USA</p>	178
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INTERNATIONAL ACADEMY OF CARDIOLOGY
16th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2011

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

**SCIENTIFIC
PROGRAM**

Monday, July 25, 2011

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MONDAY, JULY 25, 2011

08:30 – 11:15

Hall A

PL:07	Plenary Session ADVANCED DIAGNOSTIC METHODS AND IMAGING TECHNIQUES / ECHOCARDIOGRAPHY	
	Chairpersons: S.F. Nagueh , Houston, TX, USA N.C. Nanda , Birmingham, AL, USA	Abstract No.
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10:45	STRESS ECHOCARDIOGRAPHY IN CLINICAL PRACTICE (Invited Lecture) M. Prokudina , Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia	193
11:00	TWO-DIMENSIONAL INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING (Invited Lecture) M.A. Calfon , Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA	194
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08:45	HEMODYNAMIC FORCES IN THE PATHOGENESIS OF ABDOMINAL AORTIC ANEURYSM (Invited Lecture) S.D. Gertz , Hebrew University Hadassah Medical School, Jerusalem, Israel	196
09:00	MICRORNA IN THE REGULATION OF OXIDATIVE STRESS AND INFLAMMATION ASSOCIATED WITH CAD (Invited Lecture) P. Holvoet , D. De Keyzer, M. Hulsmans Katholieke Universiteit Leuven, Belgium	198
09:15	REGULATION OF CORONARY VASOMOTOR FUNCTION BY OXIDATIVE STRESS (Invited Lecture) L. Kuo , N. Thengchaisri, T.W. Hein Texas A&M Health Science Center, Temple, TX, USA	199
09:30	ASSOCIATIONS OF MODIFIED LDLs WITH ATHEROSCLEROSIS AND CARDIOVASCULAR DISEASE IN PATIENTS WITH END-STAGE KIDNEY DISEASE (Invited Lecture) A.G. Basnakian , M.L. Eigenbrodt, E. Ok, E.O. Apostolov, G. Asci, S.S. Ozbek, D. Ray, S.V. Shah University of Arkansas for Medical Sciences, Little Rock, AR, USA	200
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S26 Session
NEW DIRECTIONS IN CARDIAC SURGERY

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

Abstract No.

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N.D. Wong, Irvine, CA, USA

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Dept. of Cardiology, Milpark Hospital, Johannesburg, Gauteng, South Africa

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

Chairpersons: **J.A. Eleftheriades**, New Haven, CT, USA
T.F. Feltes, Columbus, OH, USA

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ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT

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

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

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- | | | |
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P. Menaria , K. Axtell, C. Kolibash, J. Sra, M. Akhtar, V. Nangia
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19	CARDIOVASCULAR RISK FACTORS IN YOUNG SAUDI ADULTS PRESENTED WITH ACUTE CORONARY SYNDROME M.A. Al-Murayeh , A.M. Al-Masswary, M.S. Moselhy, A.D. Dardir, A.A. Youssef Armed Forces Hospital, Southern Region, Khamis Mushayt, Saudi Arabia	286
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21	ALTERATION OF THE CIRCADIAN BLOOD PRESSURE PATTERN IN SUBJECTS WITH CHRONIC KIDNEY DISEASE A. Otero, J.J. Crespo, M. Dominguez, M.C. Castineira, A. Ferreras, A. Mojon, D.E. Ayala, J.R. Fernandez, R.C. Hermida , for the Hygia Project Investigators Complejo Bioengineering & Chronobiology Labs, University of Vigo, Vigo, Spain	288
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23	LOWER LEVEL OF ENOS AND C-TYPE NATRIURETIC PEPTIDE IN PATIENTS WITH ISOLATED SYSTOLIC HYPERTENSIVE A.A. Alqasim , Faculty of Medicine, Umm Alqura University, Makkah, Saudi Arabia	290
24	LOW CARDIAC OUTPUT IN ASYMPTOMATIC HYPERTENSIVE PATIENTS: A PRE-HEART FAILURE SYNDROME? N.K. Agarwal , S.K. Agarwal Rutgers University, Piscataway, Agarwal Health Center, East Orange, NJ, USA	291
25	BARK EXTRACT OF Terminalia arjuna PREVENTS HIGH SODIUM CHLORIDE INDUCED HYPERTENSION IN MALE ALBINO MICE K. Basu, C.K. Manna Department of Zoology, University of Kalyani, West Bengal, India	292
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27	PREDICTION OF OUTCOME BY RIGHT VENTRICULAR STRAIN IN PULMONARY ARTERIAL HYPERTENSION E.L. Hardegee , A. Sachdev, H.R. Villarraga, R.P. Frantz, M.D. McGoon, N.M. Ammash, R.B. McCully, P.A. Pellikka, J.K. Oh, G.C. Kane Mayo Clinic, Department of Medicine, Rochester, MN, USA	294
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29	IMPROVED CELL SURVIVAL AND PARACRINE CAPACITY OF HUMAN EMBRYONIC STEM CELLS-DERIVED MESENCHYMAL STEM CELLS PROMOTES THERAPEUTIC POTENTIAL FOR PULMONARY ARTERIAL HYPERTENSION Y-L. Zhang, H-F. Tse, Q-Z. Lian , The University of Hong Kong, Hong Kong	296
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32	PULMONARY HYPERTENSION IS A COMMON DISEASE: THE ARMADALE ECHO STUDY G.A Strange , D.A Playford, S. Stewart, A. Kent, J.A. Deague, E. Gabbay Monash University, Melbourne, Victoria, Australia	299
33	OBESITY IS STRONGLY ASSOCIATED WITH PRESENCE OF PULMONARY EMBOLISM M.R. Movahed , M. Hashemzadeh, M.R. Habibzadeh University of Arizona Sarver Heart Center, AZ, USA	300
34	ARE WE FOLLOWING PATIENT WITH PULMONARY EMBOLISM WELL ENOUGH? A. Shah , M. Uddin, B. Bhushan, N.P. Waterfield, E. Subkovas, P.K. Das, C.M. Bellamy, Glan Clwyd Hospital, Bodelwyddan, UK	301
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35	DIAGNOSTIC PATTERNS AND MEDICAL COSTS IN THE EVALUATION OF SYNCOPE PATIENTS AT EMERGENCY DEPARTMENT H. Yoon , H.G. Song, J.S. Kim, M.J. Kang, J.U. Na, T.G. Shin, M.S. Sim, I.J. Jo, K.J. Song, Y.K. Jeong Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea	302
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37	EFFECTS OF THERAPEUTIC HYPOTHERMIA ON MYOCARDIAL REPOLARIZATION T.A. Waters , V.K. Khurana, M.P. Liakos, M.T. Torosoff Albany Medical Center, Albany, NY, USA	304
38	ANALYSIS OF CARDIOVASCULAR MORBIDITY AND SUDDEN DEATH RISK WITH RISPERIDONE AND PALIPERIDONE S. Gopal, D.W. Hough, K. Karcher, I. Nuamah, J. Palumbo, J.A. Berlin, A. Baseman, Y. Xu, J. Kent Janssen Research & Development, Titusville, NJ, USA	305

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P509	CARDIAC ELECTROPHYSIOLOGY – ARRHYTHMIA ASSESSMENT AND PREVENTION	
40	SIGNIFICANT ASSOCIATION OF RS13376333 IN KCNN3 ON CHROMOSOME 1Q21 WITH ATRIAL FIBRILLATION IN A TAIWANESE POPULATION S.H. Chang , J.J. Hwang, F.T. Chiang, C.D. Tseng, J.K. Lee, L.P. La, J.L. Lin, C.K. Wu, C.T. Tsai Lotung Poh-Ai Hospital, Yilan, Taiwan	307
41	ADENOSINE INDUCED LEFT ATRIAL- PULMONARY VEINS RECONDUCTION AFTER WIDE CIRCUMFERENTIAL ANTRUM ABLATION FOR PULMONARY VEIN ISOLATION USING REMOTE MAGNETIC CATHETER S.J. Pollak, J. Forsyth, H. Seckel, G. Monir Arrhythmia and Ablation Center, Florida Hospital Cardiovascular Institute, Orlando, FL, USA	308
42	CHALLENGES IN THE ADOPTION OF REMOTE MAGNETIC NAVIGATION TO PEDIATRIC ELECTROPHYSIOLOGY PRACTICE A.C. Kean , A.N. Kamp, M.J. LaPage, M. Dick, D.J. Bradley The University of Michigan, Ann Arbor, MI, USA	309
43	COMPARISON OF METOPROLOL VS. CARVEDILOL AS A PROPHYLAXIS FOR THE PREVENTION OF POST CABG ATRIAL FIBRILLATION M.F. Khan, M.R. Movahed University of Arizona Sarver Heart Center, Tucson, AZ, USA	310
44	ANGIOTENSIN BLOCKING DRUG THERAPY (ABDT) IS ASSOCIATED WITH POST OPERATIVE ATRIAL FIBRILLATION (POAF) IN CARDIAC SURGERY PATIENTS A. Kannan , N. Nagajothi, C. Poongkunran Canton Medical Education Foundation, Canton, OH, USA	311
45	CLINICAL AND PROGNOSTIC SIGNIFICANCE OF ATRIAL FIBRILLATION IN ACUTE MYOCARDIAL INFARCTION F.P. Pollice , P.P. Pollice, B.L. Leclercq Dept. of Cardiovascular Surgery, Private Clinic, Andria, Italy	312
46	POST CABG ATRIAL FIBRILLATION: IDENTIFICATION OF THE RISK FACTORS AND THE EFFECTIVENESS OF PROPHYLACTIC BETA BLOCKER THERAPY M.F. Khan, M.R. Movahed University of Arizona Sarver Heart Center, Tucson, AZ, USA	313
47	PRO-ARRHYTHMIC EFFECT OF HYPERCALCEMIA IN THE PRESENCE OF SOTALOL S. Kohli, X. Walker, P. Voukydis Mount Auburn Hospital, Cambridge, MA, Harvard Medical School, Boston, MA, USA	314

MONDAY, JULY 25, 2011

14:00 – 16:15

Hall A

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

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

S30

Session

VALVULAR HEART DISEASE / HEART VALVE SURGERY

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

Abstract No.

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

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

PL:13 Plenary Session

EPIDEMIOLOGY: NUTRITION, LIFESTYLE AND PREVENTION OF HEART DISEASE

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

Abstract No.

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

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Session
RECENT ADVANCES IN CARDIAC IMAGING

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

Abstract No.

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

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Abstract No.

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

16:45 – 19:30

Hall C

S33

Session

ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION

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

- 16:45 SAFETY AND OUTCOME OF EPICARDIAL ABLATION OF VENTRICULAR TACHYCARDIAS **369**
M.H. Kanj, O.M. Wazni, W.J. Saliba, B.M. Lindsay, A. Natale, P. Tchou
Cleveland Clinic Cleveland, OH, USA
- 17:00 BERIPLEX P/N RESTORES HEMOSTASIS AFTER DABIGATRAN OVERDOSING IN AN ACUTE RABBIT BLEEDING MODEL **370**
S.H. Zeidler, I. Pragst, B. Doerr, F. Kaspereit, W. Krege, J. van Ryn
CSL Behring GmbH, Pharmacology/Toxicology, Marburg, Germany
- 17:15 POOR GLUCOSE CONTROL IS ASSOCIATED WITH QTC PROLONGATION IN CRITICALLY ILL PATIENTS **371**
D. Pickham, E. Flowers, B.J. Drew
School of Nursing, University of California, San Francisco, CA, USA
- 17:30 ELECTROPHYSIOLOGIC PROFILE OF ASYMPTOMATIC WOLFF-PARKINSON-WHITE SYNDROME IN PEDIATRIC POPULATION **372**
M. Swissa, T. Dagan, E. Bruckheimer, E. Birk, R. Fogelman
Kaplan Medical Center, Rehovot, Israel
- 17:45 REMOTE MAGNETIC NAVIGATION WITH INTRACARDIAC ULTRASOUND FOR ABLATION OF ATRIAL FIBRILLATION **373**
B.F. Finta, **J. Postma**, P. Muthusamy, A. Davis, D.E. Haines
West Michigan Heart, Grand Rapids, MI, USA
- 18:00 BETA BLOCKER PROPHYLAXIS FOR THE PREVENTION OF POST CABG ATRIAL FIBRILLATION; A META-ANALYSIS OF RANDOMIZED CONTROL TRIALS **374**
M.F. Khan, **M.R. Movahed**, The Southern Arizona VA Health Care System,
University of Arizona Sarver Heart Center, Tucson, AZ, USA
- 18:15 ARE POST-INFARCT VENTRICULAR ARRHYTHMIAS PREDICTIVE OF MORTALITY RISK IN PATIENTS WITH IMPAIRED EJECTION FRACTION? **375**
J.A. Chatterjee, R. Sankaranarayanan, M. James, Royal Blackburn Hospital,
Blackburn, UK

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- 18:30 DO EMERGENCY DEPARTMENT (ED) PHYSICIANS CORRECTLY IDENTIFY PATIENTS PRESENTING WITH UNEXPLAINED SYNCOPE WHO WARRANT HOSPITALIZATION? 376
E. Aziz, **B. Pratap**, C.K. Pamidimukala, J.H. Bastawrose, T. Park, J. Kim, J. Verzosa, C. Murphy, N. David, E. Herzog
St. Luke's-Roosevelt Hospital Center, New York, NY, USA
- 18:45 HLA-B27-ASSOCIATED J-WAVE - RISK OR CURIOSITY? 377
J. Ker, University of Pretoria, Pretoria, South Africa
- 19:00 THE EFFECT OF EXERCISE ON RESTING ATRIAL FIBRILLATION RATE 378
D. Bloomfield, G. Goldman
Richmond University Medical Center, Staten Island, NY, USA
- 19:15 HEART FAILURE RISK IN NORMAL-WEIGHT PEOPLE WITH METABOLIC SYNDROME COMPARED TO METABOLICALLY HEALTHY OBESE INDIVIDUALS 379
C. Voulgari, **I. Moysakis**, D. Papadogiannis, D. Tousoulis, P. Dilaveris, C. Stefanadis, N. Tentolouris
Athens University Medical School, Athens, Greece



Tourism Vancouver

P401 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH

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1	<p>CARDIOMYOCYTE EXPRESSION OF HEAT SHOCK PROTEIN B8 K141N CAUSES CARDIAC DISEASE A. Sanbe, T. Marunouchi, K. Tanonaka, J. Yamauchi, H. Nishigori, A. Tanoue School of Pharmacy, Iwate Medical University, Iwate, Japan</p>	380
2	<p>PROBUCOL PREVENTS IFOSFAMIDE-INDUCED APOPTOSIS, OXIDATIVE INJURY AND ENERGY STARVATION IN RAT CARDIAC TISSUES A.A. AlYahya, M.M. Sayed-Ahmed King Saud University, College of Pharmacy, Saudi Arabia</p>	381
3	<p>MAGNITUDE AND SEVERITY OF MYOCYTE AUTOPHAGY ARE PROPORTIONAL TO THE DURATION OF CARDIOPLEGIC ARREST C. Chen-Scarabelli, L. Il Saravolatz, B. Ulgen, W. Qureshi, D. Vasquez, K. Abounit, L. Saravolatz, T.M. Scarabelli St John Hospital/Wayne State University, MI, USA</p>	382
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6	<p>ASSOCIATION OF THE CLUSTER OF DIFFERENTIATION FOURTEEN POLYMORPHISM WITH RISK FACTORS OF CARDIOVASCULAR DISEASE IN KOREAN S.G. Kang, W.C. Chung, SW. Song, S.J. Park The Catholic University of Korea, St. Vincent's Hospital, Suwon, South Korea</p>	385
7	<p>EPO PREVENTS APOPTOSIS VIA JAK2/STAT5 IN EXPERIMENTAL EPILEPSY J. Li, B.X. Ma, Q. Li, S.S. Wu First Hospital of Jilin University, Changchun, Jilin, China</p>	386
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11	PROBUCOL INHIBIT VASCULAR SMOOTH MUSCLE CELL PROLIFERATION VIA UP-REGULATION OF KLF4 AFTER BALLOON INJURE OF RAT CAROTID ARTERIES D. Hongmei , H. Lan, D. Meng, W. Qian Institute of Cardiovascular Disease, XinQiao Hospital, Third Military Medical University, ChongQing, China	390
12	KRUPPEL-LIKE FACTOR 4 PROMOTES DIFFERENTIATION, PROLIFERATION AND ANGIOGENESIS OF ENDOTHELIAL PROGENITOR CELLS BY UP-REGULATING ENDOTHELIAL NITRIC OXIDE SYNTHASE D. Hongmei , H. Lan, D. Meng, S. Ming Institute of Cardiovascular Disease, XinQiao Hospital, Third Military Medical University, ChongQing, China	391
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14	PERICARDIAL FAT VOLUME IS NOT ASSOCIATED WITH RECURRENCE OF ATRIAL FIBRILLATION AFTER ABLATION B.A. Ababneh, P.N. Tadros, D.R. Lakkireddy, L.H. Wetzel, T.L. Rosamond University of Kansas, Kansas City, KS, USA	393
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21	CORONARY ARTERY CALCIFICATION AND ITS RELATION TO SYSTOLIC FUNCTION ESTIMATED BY MSCT IN CHRONIC CORONARY DISEASE I.M. Burazor , Z. Radovanovic, M. Burazor, P. Bosnjakovic, D. Ilic, S. Susak, M. Lazovic, Z. Perisic, Z. Burazor, N. Burazor Clinical Center Nis, Serbia,	400
22	CONTRAST DYNAMICS AND OPTIMAL CT SCAN TIMING FOR INFARCTION: LESSONS FROM THE DUAL SOURCE CT C. Panknin, Q.W. Yong, K.T. Ho Heart Consultants Pte Ltd, Mount Alvernia Hospital, Singapore	401
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27	PREDICTION OF LENGTH OF STAY FOLLOWING ELECTIVE PERCUTANEOUS CORONARY INTERVENTION A. Negassa , S. Monrad Division of Biostatistics, Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, NY, USA	406
28	LONG-TERM PREDICTORS OF MAJOR ADVERSE CARDIAC EVENTS IN AFRICAN-AMERICAN PATIENTS FROM AN URBAN CHEST PAIN UNIT S.A. Siddiqui, S.M. Ahmad , A.F. Alchakaki, N.V.A. Kommuri, V. Veeranna, S.J. Muddasser, R.K. Syed, A. Jahangir, S.A. Mahmood DMC Sinai Grace Hospital, Detroit, MI, USA	407
29	WHITE BLOOD CELL COUNT AND HS-CRP AS PREDICTORS OF SEVERITY OF CORONARY STENOSIS AND OUTCOMES IN PATIENTS WITH ACUTE CORONARY SYNDROME M.C. Gonzales , G.C. Vilela Philippine Heart Center, Quezon City, Philippines	408
30	PREDICTORS OF RE-ADMISSION IN AFRICAN-AMERICAN PATIENTS WITH LOW-MODERATE RISK CHEST PAIN N.V.A. Kommuri, A.F. Alchakaki , S.M. Ahmad, S.A. Siddiqui, V. Veeranna, S.J. Muddasser, R.K. Syed, A. Jahangir, S.A. Mahmood DMC Sinai Grace Hospital, Detroit, MI, Mayo Clinic, Scottsdale, AZ, USA	409
31	CATCH CAD - CORONARY CALCIUM SCORES AND THE CORRELATION WITH HS-CRP IN THE EARLY IDENTIFICATION OF CORONARY ARTERY DISEASE N.T. Sunkara , N. Nannapaneni, S.R. Devabhaktuni, K. Shetty, W.H. Resh, S. Malik, J. Narula, C.H. Ahsan University of Nevada School of Medicine, Las Vegas, Nevada, USA	410
32	PREDICTIVE ABILITY OF TIMI AND GRACE SCORING IN OUTCOMES OF PATIENTS WITH NON-ST ELEVATION MYOCARDIAL INFARCTION I.P.N. Bundalian , R.E. Ramboyong The Medical City, Cardiovascular Center, Pasig City, Philippines	411
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33	SURGICAL REPAIR OF SEVERE COARCTATION OF THE AORTA IN INFANTS K. Kirali , M. Basaran, N. Cimen, S. Sarikaya, O. Kocamaz, A. Ak, T. Ozer, B. Ozbek, M. Kis, M. Sismanoglu Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	412
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36	PLACEMENT OF CENTRAL CATHETERS IN PATIENTS WITH CONGENITAL HEART AND CENTRAL VENOUS DISORDERS: IMAGING, METHODS, TECHNIQUES, RESULTS J. Tisnado , J. Tisnado, D.J. Komorowski, M.K. Sydnor, W.C. Fox MCV Hospitals/VCU Medical Center, Richmond, VA, USA	415
P406	PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME	
37	RISK STRATIFICATION WITH TIMI, PURSUIT AND GRACE AND BENEFIT OF EPLERENONE IN PATIENTS WITH POST-MI HEART FAILURE J. Vincent , S. Sutradha, F. Zannad Pfizer Inc, New York, NY, USA	416
38	HEIGHT AND RISK OF HEART FAILURE IN THE PHYSICIANS' HEALTH STUDY I A.O. Akinkuolie , A.O. Ashaye, J.M. Gaziano, L. Djousse Boston University School of Public Health, Boston, MA, USA	417
39	RDW CORRELATES WITH LEFT ATRIAL DIMENSION AND LVEDP IN CATHETERIZED PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION F. Alattar, N. Imran, S. Usmani, P. Patel , F. Shamoon Trinitas Regional Medical Center, Seton Hall University, Elizabeth, NJ, USA	418
40	COMPARISON OF REST VERSUS STRESS INDUCED DYSSYNCHRONY AS A PREDICTOR OF RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY V. Suma , A. Shah, S. Bangalore, A.N. Makaryus, J.S. Steinberg, F.A. Chaudhry North Shore University Hospital, Manhasset, NY, USA	419
41	THE CHANGING LANDSCAPE - CHALLENGES AND OPPORTUNITIES FOR PALLIATIVE CARE IN THE HEART FAILURE POPULATION M.P. Slawnych University of Calgary, Calgary, Alberta, Canada	420
42	EFFECT OF OBESITY ON HEART FAILURE OUTCOMES IN A PREDOMINANTLY INNER CITY MINORITY COHORT O. Odiete , K. Taylor, C. Nwazue, H. Henderson, M. Wariboko, K. Figueroa, D.B. Sawyer, H. Okafor Meharry Medical College, Nashville TN, USA	421
43	HEART FAILURE SCREENING USING BREATH ANALYSIS T. Mussivand , I. Kandalajt University of Ottawa Heart Institute, Ottawa, ON, Canada	422



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P310 MISCELLANEOUS

Board No		Abstract No.
44	ASSESSMENT OF OCCUPATIONAL ACTIVITY USING HEART RATE HISTOGRAMS J.R. Wicks , K. McKenna, S.T. McSorley, D.L. Craig Greenslopes Hospital, Brisbane, Queensland, Australia	423
45	CARDIAC MYXOMAS AMONG HISPANICS AND CAUCASIANS: THE MIAMI BEACH EXPERIENCE A. Pineda , A.M. Benjo, B. Correal, J. Reyna, F. Nascimento, J.C. Brenes Mount Sinai Medical Center - Columbia University, FL, USA	424



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

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

**SCIENTIFIC
PROGRAM**

Tuesday, July 26, 2011

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

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Abstract No.

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



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

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

Abstract No.

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

S34 Session
INTERVENTIONAL CARDIOLOGY

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

Abstract No.

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|-------|--|-----|
| 08:30 | ASSOCIATION OF SIGNIFICANT OBSTRUCTIVE CORONARY ARTERY DISEASE IN PATIENTS WITH DETECTIBLE LEVELS OF TROPONIN LESS THAN THE 99TH PERCENTILE ON A HIGH SENSITIVITY TROPONIN ASSAY
N. Adoni , W. Khalife , V.K. Mukku
University of Texas Medical Branch, Galveston, TX, USA | 445 |
| 08:45 | PRE-HOSPITAL NOTIFICATION TO CARDIOLOGIST REDUCES DOOR-TO-BALLOON TIME IN ACUTE MYOCARDIAL INFARCTION
J.H. Choi , K.S. Cha, H.W. Lee, M.J. Yang, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, S.J. Cho, J.S. Choi, Pusan National University Hospital, Busan, Korea | 446 |
| 09:00 | MODERATE LESIONS ARE OFTEN SEVERE AND DIAGNOSABLE BY QUANTITATIVE CORONARY ANGIOGRAPHY (QCA)
C.L. Laham , M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Lukes Hospital, Cedar Rapids, IA, USA | 447 |
| 09:15 | DIAGNOSTIC PROCEDURES WITH 4FR CATHETER BY FEMORAL APPROACH VS TRANSRADIAL APPROACH: COMPARATIVE STUDY
R.M. Valdesuso , R.C. Rodriguez, F.J. Lacunza, J.R. Gimeno, J.A. Hurtado, J. Garcia de Lara, M. Valdes
Hospital Universitario Virgen de la Arrixaca, Murcia, Spain | 448 |
| 09:30 | PERIPHERAL ENDOVASCULAR INTERVENTIONS IN LIMB SALVAGE FOR CRITICAL LIMB ISCHEMIA: APPROACHING A NEW PARADIGM
M.J. Summers , L.J. Diaz-Sandoval, J.A. Mustapha, C. Heaney
Metro Health Hospital, Wyoming, MI, USA | 449 |
| 09:45 | REDUCED THROMBOGENICITY OF STENTS-IN VITRO AND IN VIVO EVALUATION OF SURFACE MODIFICATION AND COATING
R. Bakhshi , B. Cousins, A. Darbyshire, G. Hamilton, A.M. Seifalian
Division of Surgery and Interventional Science, University College London, UK | 450 |
| 10:00 | PROLONGED DUAL ANTI-PLATELET THERAPY PREVENTS VERY LATE STENT THROMBOSIS AFTER STENTING OF BIFURCATIONS WITH THE "CRUSH" TECHNIQUE" USING DRUG -ELUTING STENTS
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P. Kansara , S. Graham
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 Mayo Clinic, Rochester, MN, USA
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 P.A. Barber, **F.P. Milsom**, L.F. Tippett, A.F. Merry
 University of Auckland, New Zealand

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M.H. Pitzalis, Greenville, NC, USA

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 College of Pharmacy, Nova Southeastern University, Ft. Lauderdale, FL, USA
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ACUTE CORONARY SYNDROME, ACUTE MYOCARDIAL INFARCTION, INTERVENTIONAL CARDIOLOGY

Chairpersons: **Y. Birnbaum**, Houston, TX, USA
M.R. Movahed, Tucson, AZ, USA

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Busan National University Hospital, Busan, Korea
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Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
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Busan National University Hospital, Busan, South Korea
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Routledge / Tourism Vancouver

P504 INTERVENTIONAL CARDIOLOGY II

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

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

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