



INTERNATIONAL ACADEMY OF CARDIOLOGY
17th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2012

TORONTO, ON, CANADA, JULY 27 - 30, 2012

PROGRAM

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Dear Friend and Colleague,

On behalf of the Organizing Committee, it is my great pleasure to welcome you to Toronto and to the International Academy of Cardiology - 17th World Congress on Heart Disease, Annual Scientific Sessions 2012.

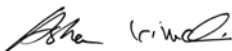
The Congress has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiovascular medicine, primarily in the areas of molecular biology, coronary artery disease, heart failure, cardiac arrhythmias and cardiac surgery.

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 750 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 54 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, 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 Toronto, in July 2012.

Yours sincerely,



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INTERNATIONAL ACADEMY OF CARDIOLOGY MEMORIAL AWARDS

The International Academy of Cardiology has established five awards to honor the memory of distinguished colleagues who made a major contribution to Medicine and Cardiology and who were members of the faculty for previous International Academy of Cardiology meetings. As in previous years, the recipients were selected by a very prestigious Awards Committee. The awards for 2012 will be presented at the Opening Ceremony of the Congress.

AWARD RECIPIENTS

The **WALTER BLEIFELD MEMORIAL AWARD** for distinguished work in the field of Clinical Research

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1997	Sidney Goldstein, USA
2000	E. Douglas Wigle, Canada
2002	Uri Elkayam, USA
2003	John A. Elefteriades, USA
2005	James H. Chesebro, USA
2007	Clive Rosendorff, USA
2008	Harisios Boudoulas, Greece
2010	Wilbert S. Aronow, USA
2011	Maryl R. Johnson, USA

The **ALBRECHT FLECKENSTEIN MEMORIAL AWARD** for distinguished work in the field of Basic Research

1995	Lionel H. Opie, South Africa
1996	Peter Ganz, USA
1997	Jutta Schaper, Germany
2000	Naranjan S. Dhalla, Canada
2002	Hani N. Sabbah, USA
2003	Jawahar L. Mehta, USA
2005	Francis G. Spinale, USA
2007	Thomas Force, USA
2008	Robert Roberts, Canada
2010	Pawan K. Singal, Canada
2011	Dipak K. Das, USA

The **JAN J. KELLERMANN MEMORIAL AWARD** for distinguished work in the field of Cardiovascular Disease Prevention

1995	Nanette Kass Wenger, USA
1996	James S. Forrester, USA
1997	Charles H. Hennekens, USA
2000	Bodh I. Jugdutt, Canada
2002	William T. Abraham, USA
2003	Dean Ornish, USA
2005	Rodolfo Paoletti, Italy
2007	Gerald S. Berenson, USA
2008	Philip R. Liebson, USA
2010	Elizabeth L. Barrett-Connor, USA
2011	Nathan D. Wong, USA



AWARD RECIPIENTS (cont'd)

The **HANS-PETER KRAYENBUEHL MEMORIAL AWARD** for distinguished work in the field of Research in Cardiac Function

1995	Edmund H. Sonnenblick, USA
1996	Harold J.C. Swan, USA
1997	William H. Gaasch, USA
2000	Ralph Shabetai, USA
2002	Jeffrey S. Borer, USA
2003	Sergio Dalla-Volta, Italy
2005	Michael E. Cain, USA
2007	Lewis C. Becker, USA
2008	Sherif F. Nagueh, USA
2010	Gerd Heusch, Germany
2011	Martin A. Alpert, USA

The **MELVIN L. MARCUS MEMORIAL AWARD** for distinguished contribution as a Gifted Teacher

1995	Kanu Chatterjee, USA
1996	Shahbudin H. Rahimtoola, USA
1997	Robert A. O'Rourke, USA
2000	A. Jamil Tajik, USA
2002	Daniel S. Berman, USA
2003	David H. Spodick, USA
2005	Shlomo Stern, Israel
2007	George W. Vetrovec, USA
2008	Udho Thadani, USA
2010	Navin C. Nanda, USA
2011	Michael H. Criqui, USA



INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

The International Academy of Cardiology has established Distinguished Fellowship Awards, to honor colleagues who have made a profound contribution Cardiovascular Medicine and provided important service to the Academy. The Awards will be presented each year to Faculty Members of the World Congress on Heart Disease at the Opening Ceremony of the Congress.

DISTINGUISHED FELLOWSHIP AWARD RECIPIENTS

2005	Jeffrey S. Borer, USA
2005	Kanu Chatterjee, USA
2005	Hani N. Sabbah, USA
2007	James H. Chesebro, USA
2007	Uri Elkayam, USA
2007	Francis G. Spinale, USA
2008	Martin Alpert, USA
2008	Naranjan S. Dhalla, Canada
2008	John A. Elefteriades, USA
2010	Anne B. Curtis, USA
2011	Lewis C. Becker, USA
2011	Daniel S. Berman, USA
2011	Bodh I. Jugdutt, USA



INTERNATIONAL ACADEMY OF CARDIOLOGY OPENING LECTURES

Since 2005, the Opening Lecture has been presented as the J.H.C Swan Memorial Lecture.

- 1989 HEART FAILURE: ETIOLOGICAL MODELS AND THERAPEUTIC IMPLICATIONS
Edmund H. Sonnenblick, USA
- 1993 THE MOLECULAR BIOLOGY OF CARDIAC HYPERTROPHY AND FAILURE:
THE POTENTIAL FOR MOLECULAR INTERVENTION
Robert Roberts, USA
- 1995 CARDIOMYOPATHY OF OVERLOAD: AN UNNATURAL GROWTH RESPONSE IN
THE FAILING HEART
Arnold M. Katz, USA
- 1996 PREVENTION OF HEART FAILURE - FEASIBLE AND DESIRABLE
Kanu Chatterjee, USA
- 1997 MORPHOLOGICAL AND FUNCTIONAL TRANSFORMATION OF THE LEFT
VENTRICLE IN HEART FAILURE
Sidney Goldstein, USA
- 1998 PREVENTION OF CORONARY DISEASE EVENTS: MYTHS AND OPPORTUNITIES
Harold J.C. Swan, USA
- 1999 NEW CONCEPTS CONCERNING THE CELL BIOLOGY OF VULNERABLE PLAQUES
James S. Forrester, USA
- 2000 THE CELLULAR AND MOLECULAR BASIS OF HEART FAILURE IN VALVULAR
REGURGITATION: RELATION TO CLINICAL OUTCOME
Jeffrey S. Borer, USA
- 2001 MODERN PERSPECTIVES ON DISEASES OF THE THORACIC AORTA
John A. Elefteriades, USA
- 2002 GENETIC MECHANISMS OF HEART FAILURE
Jeffrey A. Towbin, USA
- 2003 HEART FAILURE AND THE NEED FOR DEVICE THERAPY
William T. Abraham, USA
- 2005 INTEGRATION OF CARDIAC MRI, CARDIAC CT SCANNING, AND NUCLEAR
CARDIOLOGY IN CLINICAL ASSESSMENT OF PATIENTS WITH KNOWN OR
SUSPECTED CHRONIC CAD: WHICH TEST IN WHICH PATIENT?
D.S. Berman, USA
- 2007 HOW BEST TO IDENTIFY PATIENTS AT RISK FOR SUDDEN CARDIAC DEATH
M.E. Cain, USA
- 2008 WOMEN AND HEART DISEASE IN THE POST-WHI ERA
E.L. Barrett-Connor, USA
- 2010 VOODOO DEATH REVISITED: THE MODERN LESSONS OF NEUROCARDIOLOGY
M.A. Samuels, USA
- 2011 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND
THERAPEUTIC IMPLICATION
J.L. Mehta, USA

ACKNOWLEDGEMENTS

We would like to offer very special thanks to the following companies and organizations for their unrestricted educational grants.

Boston Scientific Corporation

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The International Academy of Cardiology expresses its sincere thanks to our dedicated staff who helped bring this meeting to reality.

Steve Adler

Dror Ben-Tzvi

Karen H. Burstein

Cirina Catania

Orly Halevy

Oren Hirschenzone

Bob Kazmer

Eitan Z. Kimchi, M.D.

Eyal Y. Kimchi, M.D., PhD.

Rebeca Kimchi

Vicky Klug

Micha Lederman

Ricardo Moreno

Karyn Nahari

Einat Peled

Mike Perchig

Kelsey L. Pomykala

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Vivy Tran

Cheryl M. Yashar

Our grateful thanks also to 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.

GENERAL INFORMATION

VENUE AND HEADQUARTERS HOTEL

The Fairmont Royal York is the venue and headquarters hotel of the *International Academy of Cardiology 17th World Congress on Heart Disease Annual Scientific Sessions 2012*

Hotel Address:

100 Front Street West, Toronto, ON, Canada
Tel: +1 416 368 2511; Fax: +1 416 368 9040

LANGUAGE

The official language of the Congress is English.

REGISTRATION DESK

The Registration Desk will operate as follows:

Friday, July 27, 2012	16:00 - 20:00 hours
Saturday, July 28, 2012	08:00 - 18:00 hours
Sunday, July 29, 2012	08:00 - 18:00 hours
Monday, July 30, 2012	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 Speaker 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 Speaker Ready Room.**

Please note that the congress' computers in the session halls are supplied with Office 2010.

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 Speaker 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 by 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:

Friday, July 27, 2012	18:30 - 20:00 hours
Saturday, July 28, 2012	10:00 - 17:00 hours
Sunday, July 29, 2012	10:00 - 17:00 hours
Monday, July 30, 2012	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 Exhibition Area (Concert Hall) of the Fairmont Royal York on Friday, July 27, 2012.

FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Sunday, July 29, 2012 at 20:00. Tickets to the dinner are sold-out and no more tickets may be purchased.

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 17th World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.



GENERAL INFORMATION (cont'd)

CONGRESS SECRETARIAT

International Academy of Cardiology
17th World Congress on Heart Disease
Annual Scientific Sessions 2012
PO Box 17659
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Website: www.CardiologyOnline.com

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SOCIAL PROGRAM

FRIDAY, JULY 27, 2012

GET –TOGETHER RECEPTION

18:30 – 20:00

Get-Together Reception in the Exhibition Area (Concert Hall) of the Fairmont Royal York at 18:30

SUNDAY, JULY 29, 2012

FAREWELL DINNER (Optional)

20:00

The Farewell Dinner will take place on Sunday, July 29, 2012 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:

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LIST OF EXHIBITORS (cont'd)

- SPARTAN BIOSCIENCE INC
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INTERNATIONAL ACADEMY OF CARDIOLOGY
17th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2012

TORONTO, ON, CANADA, , JULY 27 – 30, 2012

**SCIENTIFIC
PROGRAM**

Saturday, July 28, 2012

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OC: OPENING CEREMONY

Chair: **Jeffrey. S Borer**, USA

GREETINGS

Asher Kimchi, USA
Founder and Chairman
International Academy of Cardiology

Jeffrey S. Borer, USA
Chairman, Scientific Executive Committee
Chairman, Section of Vavular Heart Disease
International Academy of Cardiology

John A. Eleftheriades, USA
Member, Scientific Exective Committee
Chairman, Section of Cardiovascular Surgery
International Academy of Cardiology

Naranjan S. Dhalla, Canada
Member, Scientific Executive Committee
Chairman, Section of Cellular Biology of the Heart
International Academy of Cardiology

William Bommer, USA
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Chairman, Section of Preventive Cardiology
International Academy of Cardiology

Michael E. Farkouh, Canada
Member, Scientific Executive Committee
International Academy of Cardiology

PRESENTATION OF 2012 AWARDS

Jeffrey S. Borer, USA
John A. Eleftheriades, USA

SATURDAY, JULY 28, 2012

09:40 – 10:15

Hall A

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

Chair: **J.L. Mehta**, Little Rock, AR, USA

Abstract No.

09:40 INTRODUCTION

J.L. Mehta, Little Rock, AR, USA

09:45 PERIPARTUM CARDIOMYOPATHY: NEW CONCEPTS IN
PATHOPHYSIOLOGY AND MANAGEMENT (Opening Lecture)
U. Elkayam, University of Southern California, Keck School of Medicine,
Los Angeles, CA, USA

081

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 13:15

Hall A

PL01 Plenary Session

MOLECULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE

Chairs: **K. Maiese**, Newark, NJ, USA
M.A. Rossi, Ribeirao Preto, Sao Paulo, Brazil

10:45 CELL LONGEVITY PATHWAYS GOVERN VASCULAR AND
INFLAMMATORY RESPONSES TO OXIDANT STRESS
(Invited Lecture)

K. Maiese, New Jersey Medical School, Newark, NJ, USA

001

11:00 CALPAIN-MEDIATED DYSTROPHIN DISRUPTION MAY BE A POTENTIAL
STRUCTURAL CULPRIT BEHIND CHRONIC DOXORUBICIN-INDUCED
CARDIOMYOPATHY (Invited Lecture)

M.A. Rossi, University of Sao Paulo, Sao Paulo, Brazil

002

11:15 STEM CELLS AND VASCULAR DISEASE (Invited Lecture)

Q. Xu, Kings College London, UK

003

11:30 THE EFFECTS OF RISK FACTORS ON ENDOTHELIAL PROGENITOR
CELLS IN CARDIOVASCULAR DISEASES (Invited Lecture)

S-J. Lin, National Yang-Ming University and Taipei Veterans General Hospital,
Taipei, Taiwan

004

11:45 THE CONUNDRUM OF MYOCARDIAL REGENERATION (Invited Lecture)

W. Mohl, Medizinische Universität Wien, Vienna, Austria

005

12:00 CO-ORDINATED AUTOPHAGY WITH RESVERATROL AND -TOCOTRIENOL
CONFERS SYNERGETIC CARDIOPROTECTION (Invited Lecture)

D.K. Das, University of Connecticut School of Medicine, Farmington, CT, USA

006

SATURDAY, JULY 28, 2012

PL01 Plenary Session		
MOLECULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE (cont)		
		Abstract No.
12:15	MYOCARDIN ACTIVITY IS REGULATED BY PROTEASOMAL DEGRADATION (Invited Lecture) X-L. Zheng , The University of Calgary, AL, Canada	007
12:30	HIV-1 INFECTION IS ASSOCIATED WITH IMPAIRED ENDOTHELIAL PROGENITOR CELL FUNCTION K.J. Diehl , O.J. MacEneaney, J.J. Greiner, B.L. Stauffer, E. Connick, C.A. DeSouza University of Colorado, Boulder, CO, USA	008
12:45	GINSENOSEIDE RE ENHANCES THE SURVIVAL OF H9C2 CARDIAC MUSCLE CELLS THROUGH REGULATION OF AUTOPHAGY Z-L. Zhang, Y. Fan, M-L. Liu Peking University First Hospital, Beijing, China	009
13:00	CARDIAC SPECIFIC OVER-EXPRESSION OF MEMBRANE-ASSOCIATED HUMAN STEM CELL FACTOR IMPROVES CARDIAC FUNCTION IN DIABETIC MICE F-L. Xiang , Y. Liu, X.R. Lu, M.R. Liu, Q.P. Feng Western University, and Lawson Health Research Institute, London, ON, Canada	010
13:15	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	
<hr/> 10:45 – 13:15		Hall B
<hr/> PL02 Plenary Session		
CARDIOVASCULAR IMAGING FOR EVALUATION OF CARDIAC STRUCTURE AND FUNCTION		
	Chairs: S.F. Nagueh , Houston, TX, USA N.C. Nanda , Birmingham, AL, USA	
10:45	PROGRESS IN ECHOCARDIOGRAPHY (Invited Lecture) N.C. Nanda , University of Alabama at Birmingham, Birmingham, AL, USA	011
11:00	VALVULAR HEART DISEASE: CAN MRI TRUMP THE ECHOCARDIOGRAM? (Invited Lecture) R.W.W. Biederman , University Allegheny General Hospital, Pittsburgh, PA, USA	012
11:15	NOVEL ECHOCARDIOGRAPHIC INDICES OF LEFT VENTRICULAR DIASTOLIC FUNCTION (Invited Lecture) S.F. Nagueh , Methodist DeBakey Heart and Vascular Center, Houston, TX, USA	013
11:30	EVALUATION OF CHEST PAIN IN THE EMERGENCY DEPARTMENT: A PATIENT-CENTERED IMAGING APPROACH (Invited Lecture) J.J. Mahmarian , Methodist DeBakey Heart and Vascular Center, Houston, TX, USA	014

SATURDAY, JULY 28, 2012

PL02	Plenary Session		Abstract No.
11:45	USEFULNESS OF OPTICAL COHERENCE TOMOGRAPHY IN CLINICAL PRACTICE IN PATIENTS WITH CORONARY ARTERY DISEASE (Invited Lecture) T. Akasaka , Wakayama Medical University, Japan		015
12:00	REVIEW OF MOVAHED'S SIGN (D SHAPED LEFT VENTRICLE SEEN ON GATED SPECT) SUGGESTIVE OF RIGHT VENTRICULAR OVERLOAD (Invited Lecture) M-R. Movahed , University of Arizona Sarver Heart Center, Tucson, AZ, USA		016
12:15	STRESS ECHOCARDIOGRAPHY: DIAGNOSIS, PROGNOSIS AND RECENT ADVANCES (Invited Lecture) A. Elhendy , Marshfield, WI, USA		017
12:30	VULNERABLE PLAQUE AND VULNERABLE PATIENT: INSIGHTS FROM IVUS AND OCT (Invited Lecture) H. Okura , Kawasaki Medical School, Kurashiki, Japan		018
12:45	DIAGNOSTIC ACCURACY OF EXERCISE ECHOCARDIOGRAPHY (Invited Lecture) M. Prokudina , Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia		019
13:00	CARDIAC MAGNETIC RESSONANCE IMAGING IN PERIPARTUM CARDIOMYOPATHY N.P. Arora , N. Mahajan, R. Danrad, A. Kottam, T. Li, T. Mohamad, L.C. Afonso Wayne State University School of Medicine, Detroit Medical Center, Detroit, MI, USA		020
13:15	LUNCH BREAK, VISIT POSTERS AND EXHIBITION		

10:45 – 13:15

Hall C

S21	Session		
	VALVULAR HEART DISEASE, DISEASES OF THE THORACIC AORTA, CONGENITAL HEART DISEASE, PEDIATRIC CARDIOLOGY		
	Chairs: N.E. Bowles , Salt Lake City, UT, USA N.M. Rajamannan , Rochester, MN, USA		
10:45	IDENTIFYING THE MOST COST EFFECTIVE METHOD OF RISK ASSESSING ASYMPTOMATIC WOLFF-PARKINSON-WHITE PATIENTS C.S. Snyder , P.E. Thomas, J. Steinberg Rainbow Babies and Children's Hospital, Cleveland, OH, USA		021

SATURDAY, JULY 28, 2012

S21

Session

VALVULAR HEART DISEASE, DISEASES OF THE THORACIC AORTA, CONGENITAL HEART DISEASE, PEDIATRIC CARDIOLOGY (cont)

		Abstract No.
11:00	UNPREDICTABLE "DE NOVO" ATRIAL FIBRILLATION OCCURRENCE AFTER MITRAL VALVE REPAIR VS REPLACEMENT G. Peretto , A. Durante, N. Cristell, C. Meloni, A. Laricchia, M. Spartera, F. Ancona, S. Benussi, O. Alfieri, D. Cianflone Università Vita-Salute San Raffaele, Istituto Scientifico San Raffaele, Milan, Italy	022
11:15	HEART VALVE TISSUE REGENERATION WITH EXTRACELLULAR MATRIX BIO-SCAFFOLD: A NEW SURGICAL TECHNIQUE W.D. Boyd , J.N. Young, J. Sullivan, H.K. Bhullar, S. Mayberg, S. Kim, W.J. Bommer University of California, Davis, Sacramento, CA, USA	023
11:30	INTRACARDIAC CAVOPULMONARY CONNECTION IN PATIENTS WITH UNIVENTRICULAR HEART USING INTRA-ATRIAL LATERAL TUNNEL AND INTRA-ATRIAL CONDUIT TECHNIQUES M.A. Maluf Cardiovascular Division, Universidade Federal de São Paulo, São Paulo, Brazil	024
11:45	LONG TERM FOLLOW-UP OF TRANSCATHETER DEVICE CLOSURE OF PM-VSD M.S. Alhabdan , A.N. Alomrani College of Medicine, Al-Imam University, Riyadh, Saudi Arabia	025
12:00	PECULIARITIES OF CONGENITAL HEART DISEASES IN ADULTS Y. Pya, S. Alimbaev, M. Freund, M. Aripov, S. Kadirova , R. Murzabaeva National Research Cardiac Surgery Center, Astana, Kazakhstan	026
12:15	INSIGHTS INTO THE AORTIC WALL J.A. Elefteriades , Yale University School of Medicine, New Haven, CT, USA	027
12:30	BRAIN NATRIURETIC PEPTIDE AS A PREDICTOR OF VOLUME-OVERLOAD IN CHILDREN WITH SHUNT LESION I.A. Saad , T.S. Ibrahim, Cairo University, Egypt	028
12:45	THROMBOSIS FOLLOWING CLOSURE OF LARGE DISTAL CORONARY ARTERY FISTULA - TO CLOSE OR NOT CLOSE LARGE DISTAL CAF? S.G. Gowda , T.F. Forbes, H.S. Singh, L.L. Latson, L.P. Prieto, D.T. Turner The Children's Hospital of Michigan, MI, USA	029
13:00	THE OUTCOME OF TRANSCATHETER PATENT DUCTUS ARTERIOSUS CLOSURE IN PATIENTS WEIGHING \leq 8kg Y. Alheraish , A. Alomrani, M. Aljoufan King Faisal Specialist Hospital and Research Center, Heart Institute, Riyadh, Saudi Arabia	030
13:15	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

S22

Session

METABOLIC SYNDROME, TYPE II DIABETES AND ATHEROSCLEROSIS

Chairs: **U. Forstermann**, Mainz, Germany
F. Gao, Xi'an, China

Abstract No.

- | | | |
|-------|--|-----|
| 10:45 | DIMINISHED ENDOTHELIAL FIBRINOLYTIC CAPACITY IN ADULTS WITH IMPAIRED FASTING GLUCOSE
K.J. Diehl , B.R. Weil, D.L. Templeton, J.J. Greiner, B.L. Stauffer, C.A. DeSouza, University of Colorado, Boulder, CO, USA | 031 |
| 11:00 | ASSOCIATION OF GLYCATED HEMOGLOBIN WITH LONG-TERM ADVERSE CARDIAC EVENTS AFTER PERCUTANEOUS CORONARY INTERVENTION IN NON DIABETES PATIENTS (WITH CORONARY ARTERY DISEASE): AN OBSERVATIONAL STUDY FROM THE KOREAN COACT REGISTRY
J-H. Jang , S.H. Her, M.W. Park, C.J. Kim, J.B. Kwon
Daejeon St. Mary's Hospital, Daejeon, South Korea | 032 |
| 11:15 | PROGNOSTIC IMPACT OF DIABETES MELLITUS ON A WELL-DEFINED MULTI-ETHNIC ASIAN CLINICAL HEART FAILURE POPULATION: A ONE-YEAR FOLLOW-UP FOR A THREE-YEAR COHORT
S.C. Chai , Y. Cao, P.P. Goh, G. Leong
Changi General Hospital, Singapore | 033 |
| 11:30 | THE INFLUENCE OF DIABETES ON CARDIOVASCULAR OUTCOMES IN ACUTE HEART FAILURE PATIENTS IN SINGAPORE
Y.Y. Go , N. Shanmugam, L.L. Sim, S.Y. Chia, F.R. Jaufeerally, D. Sim, B. Kwok, F. Gao, R. Liew
National Heart Center Singapore, Singapore | 034 |
| 11:45 | CD36 PROMOTES ADIPOCYTE DIFFERENTIATION AND ADIPOGENESIS
R.H. Lijnen , V. Christiaens, I. Scroyen
Center for Molecular and Vascular Biology, KU Leuven, Leuven, Belgium | 035 |
| 12:00 | ASPIRIN RESISTANCE IN WELL CONTROLLED TYPE II DIABETES MELLITUS
S. Khosropanah , A. Shadmehr
Shiraz University of Medical Sciences, Shiraz, Iran | 036 |
| 12:15 | INDRISK: A TYPE 2 DIABETES SCREENING TOOL FOR PRIMARY HEALTH CARE PROVIDERS IN RURAL INDIA
T. Sathish , S. Kannan, P.S. Sarma, K.R. Thankappan
Monash University, VIC., Australia | 037 |
| 12:30 | PHARMACOLOGICAL STUDIES ON THUNBERGIA ALATA BOJER EX SIMS: A PLANT ALONG WITH THE NUMEROUS POTENCIES
M.A.H. Mollik
Practical Academy on Wise Education and Research Foundation, Dhaka, Bangladesh, Prescience Trust Funds, Phoenixville, PA, USA | 038 |

SATURDAY, JULY 28, 2012

S22 METABOLIC SYNDROME, TYPE II DIABETES AND ATHEROSCLEROSIS (cont)

		Abstract No.
12:45	RANDOMIZED 30-DAYS TRIAL WITH GRANULATED GYMNEMA GREEN TEA TO REDUCE BLOOD SUGAR A.K.M. Alamgir St Michael's Hospital, Toronto, ON, Canada	039
13:00	BODY SURFACE AREA-INDEXED LEFT ATRIAL VOLUME PARADOX AFTER SURGICAL TREATMENT FOR MORBID OBESITY G.H. Yao, L. Navaravong, J. Abboud, J. D'Amours, A. King, L. Jiang Baystate Medical Center, Tufts University School of Medicine, Springfield, MA, USA	040
13:15	PARENTAL PERCEPTION OF CHILDHOOD OBESITY AND POTENTIAL DETERMINANTS IN THE UNITED ARAB EMIRATES A. Abdulle , A. Aljunaibi, N. Nagelkerke Faculty of Medicine, UAE University, Al-Ain, UAE	041
13:30	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

P101 **Poster Session**
INTERVENTIONAL CARDIOLOGY I

Board No		Abstract No.
1	<p>ACUTE VERSUS CHRONIC CORONARY DISEASE OUTCOMES IN OCTOGENARIANS WITH CHRONIC KIDNEY DISEASE D. Bhatt, G. Trivedi, M.U. Saqlain, M. Gibb, S. Mehta, P. Kansara University of Illinois College of Medicine, Urbana-Champaign, IL, USA</p>	042
2	<p>IMPACT OF STENT LENGTH ON NEOINTIMAL HYPERPLASIA AFTER RESOLUTE ZOTAROLIMUS ELUTING STENT IMPLANTATION R. Yamada, T. Kume, K. Waseda, P.G. Yock, I.T. Meredith, M.B. Leon, L. Mauri, A.C. Yeung, P.J. Fitzgerald, Y. Honda Stanford University Medical Center, CA, USA</p>	043
3	<p>SAPHENOUS VEIN GRAFT PCI VIA RADIAL ARTERY ACCESS: SAFE AND EFFECTIVE WITH REDUCED HOSPITAL LENGTH OF STAY S.S. Bundhoo, P. Freeman, V. Kunadian, S. Vijayan, R. Edwards, T.D. Kinnaird, A. Zaman, R.A. Anderson</p>	044
4	<p>IN-HOSPITAL MORTALITY OF OBESE PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION HAS BEEN DECLINING FROM 1994 TO 2006 M-R. Movahed, M. Hashemzadeh, M. Hashemzadeh The Southern Arizona VA Health Care System, Tucson, AZ, USA</p>	045
5	<p>COMPARISON OF BASELINE CHARACTERISTICS AND OUTCOMES BETWEEN EARLY AND LATE STAGED PERCUTANEOUS CORONARY INTERVENTION FOR ACUTE CORONARY SYNDROME N. Balasubramaniam, W.S. Aronow, C. Palaniswamy, H.M. Lai, J. Doshi, L.J. Cuomo, S. Khera, S. Sule, S.J. Peterson New York Medical College, Valhalla, NY, USA</p>	046
6	<p>TECHNIQUE AND PROCEDURAL OUTCOME OF PERCUTANEOUS CORONARY INTERVENTION FOR CHRONIC TOTAL OCCLUSION S Sehli, T. Nantsupawat, A Velasco, N Nantsupawat, A Kumar Texas Tech University Health Sciences Center, Lubbock, TX, USA</p>	047
7	<p>BRACHYTHERAPY FOR IN-STENT RESTENOSIS: OUTCOMES AT 90 DAYS G.N. Srinivas, A. Singh, B. Kaplan, B.M. Arkonac, D. Jauhar, S. Singal, R. Jauhar Long Island Jewish Medical Center New Hyde Park, NY, USA</p>	048

SATURDAY, JULY 28, 2012

08:00 – 13:00

Poster Hall

P102 **Poster Session**
CARDIOMYOPATHIES: VARIOUS ETIOLOGIES

Board No		Abstract No.
8	FEATURES OF PRIMARY DILATED CARDIOMYOPATHY AMONG EGYPTIAN HEART FAILURE PATIENTS B.S. Ibrahim , R.N. Hanna, M. Aboelenein, R.H. Aziz, M. Abdelhady, M. Fahmy, M. Ali National Heart Institute, Cairo, Egypt	049
9	UNRECOGNIZED ISOLATED LEFT VENTRICULAR NONCOMPACTION PRESENTING AS STROKE IN A YOUNG WOMAN G.A. Baquero, D.J. Colegrove, J.E. Banchs Penn State College of Medicine. Hershey, PA, USA	050
10	PERIPARTUM HEART FAILURE WITH NORMAL EJECTION FRACTION: A NOVEL ENTITY IN THE SPECTRUM OF PERIPARTUM CARDIOMYOPATHY N.P. Arora , N. Mahajan, K. Ballapuram, A. Kottam, M. Toosi, L.C. Afonso Wayne State University School of Medicine, Detroit Medical Center, Detroit, MI, USA	051
11	CLINICAL CHARACTERISTICS OF PERIPARTUM CARDIOMYOPATHY IN EGYPTIAN WOMEN: A REPORT OF 10 PATIENTS B.S. Ibrahim , R.N. Hanna, M. AboEleinen National Heart Institute, Cairo, Egypt	052

P103 **Poster Session**
CONSTRICTIVE PERICARDITIS

12	OCTOPUS BEYOND CORONARY ARTERY BYPASS SURGERY S.K. Singh , V. Tewarson, A. Kumar, T. Goyal, D. Kaushal, S. Kumar, V. Devenraj, N. Rajput, S. Kumar CSM Medical University, Lucknow, India	053
13	SIGNIFICANT CORONARY FLOW IMPAIRMENT SECONDARY TO EFFUSIVE CONSTRICTIVE PERICARDITIS A.R. AL Emam, W.I. Khalife , G. Abu Said, M. Morsy University of Texas Medical Branch, Galveston, TX, USA	054

P104 **Poster Session**
ECHOCARDIOGRAPHY

Board No		Abstract No.
14	IS ECHOCARDIOGRAPHY RELIABLE IN EVALUATING THE ASCENDING AORTA COMPARED TO COMPUTED TOMOGRAPHY IN PATIENTS WITH BICUSPID AORTIC VALVE? A. Raizada, M.Q. Najib, J. Ganji, M. Kumar , H.P. Chaliki May Clinic, Scottsdale, AZ, USA	055
15	PREDICTION OF RECURRENT VENTRICULAR ARRHYTHMIAS AFTER MYOCARDIAL INFARCTION BY SPECKLE TRACKING ECHOCARDIOGRAPHY B.L. Nguyen , L. Capotosto, G. D'Alessandro, A. Rafique, E.S. Gang, F. Barilla, R.J. Siegel, A. Vitarelli, Sapienza University, Rome, Italy	056
16	CLINICALLY UNRECOGNIZED MITRAL REGURGITATION IS PREVALENT IN LONE ATRIAL FIBRILLATION AND MAY BE ETIOLOGICALLY RELATED TO DEVELOPMENT OF LONE ATRIAL FIBRILLATION S. Sharma, S. Singh , R. Sandhu, N. Bhambi, R. Sharma, B.K. Bhambi Bakersfield Heart Hospital, Bakersfield, CA, USA	057
17	MOVING BEYOND THE ABSTRACT: OBJECTIVE DETERMINANTS OF RIGHT HEART FAILURE M.M. Ahmed, J. Petersen, A. Szady, J.M. Aranda Jr. , R. Schofield UF College of Medicine, University of Florida, Gainesville, FL, USA	058
18	COMPARISON OF CARDIAC OUTPUT DETERMINED BY THERMODILUTION, THE FICK METHOD, AND TRANSTHORACIC ECHOCARDIOGRAPHY A.A. Khanfar, W.I. Khalife, M. Morsy, P. Nalabothu, R. Merla, H.K. Kuo, M. Aldeiri , University of Texas Medical Branch, Galveston, TX, USA	059
19	ASSESSMENT OF RIGHT ATRIAL FUNCTION COMPARED TO INTERATRIAL SEPTUM AND LEFT ATRIUM: A DOPPLER MYOCARDIAL IMAGING STUDY IN HEALTHY SUBJECTS Z. Ojaghi-Haghighi , A. Alizadehasl, M. Maleki, N. Naderi, M. Esmailzadeh, F. Noohi, H. Moladoust, H. Bakhshandeh, P. Nakhostin Davari, R. Azarfarin Tehran University of Medical Sciences, Tehran, Iran	060
20	ECHOCARDIOGRAPHIC EVALUATION OF PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION BEFORE AND AFTER PULMONARY ARTERY ENDARTERECTOMY M. Shojaeifard, G.H. Omrani, M. Esmailzadeh , H. Bakhshandeh Abkenar Tehran University of Medical Sciences, Tehran, Iran	061
21	EFFECT OF ECHO CONTRAST ON WALL THICKNESS MEASUREMENTS: COMPARISON WITH MRI R. Bhardwaj, P. Sharma, T. Kazmi, J. Roy , A.P. Morise, G. Hobbs, A.C. Jain, C.F. Failingler, West Virginia University, Morgantown, WV, USA	062
22	ECHOCARDIOGRAPHIC FINDINGS IN PULMONARY EMBOLISM R. Cohen , P. Loarte, V. Navarro, B. Mirror Woodhull Medical Center, NYU School of Medicine. Brooklyn, NY, USA	063

P105 **Poster Session**
CAD: PROGNOSIS, RISK STRATIFICATION

Board No		Abstract No.
23	EVALUATION OF A NOVEL ALGORITHM FOR CARDIAC RISK ASSESSMENT IN PATIENTS REFERRED FOR KIDNEY TRANSPLANT K.K. Mogali , J.R. Vilaro, M.M. Ahmed, M.C. Karam Demori, J.M. Aranda, Jr. University of Florida College of Medicine, Gainesville, FL, USA	064
24	CARDIOMETABOLIC RISK FACTORS, REVEALED IN HEALTH CENTERS, AND PROLONGATION OF QT-INTERVAL M.V. Avdeeva , A.B. Shapovalova, L.V. Shcheglova St.-Petersburg State Pediatric Medical Academy, St. Petersburg, Russia	065
25	SERIAL MEASUREMENTS OF TROPONIN AFTER AN ACUTE CORONARY SYNDROME E.M. Macin , M. Onocko, M. Arevalo, R. Zoni, E.R. Perna, L. Reyes, J.M. Lange, B. Gonzalez Arjol, L. Peña, M. Brizuela Instituto de Cardiologia JFCabral, Corrientes, Argentina	066
26	THE RELATIONSHIPS BETWEEN SELF-RATED HEALTH AND SERUM LIPIDS ACROSS TIME A. Shirom, S. Toker, S. Melamed, I. Shapira Tel Aviv Sourasky Medical Center, Sackler Faculty of Medicine, Tel Aviv University, Israel	067
27	ATRIAL FIBRILLATION AND MYOCARDIAL INFARCTION: A COMMON FINDING? E.M. Macin , R. Zoni, M. Onocko, M. Arevalo, C. Burgos, S. Popilosky, E.R. Perna, F. Echeverria Instituto de Cardiologia JFCabral, Corrientes, Argentina	068
28	ASSESSING THE ROLE OF HOMOCYSTEIN IN NUMBER AND SEVERITY OF CORONARY ARTERY DISEASE (CAD), IN PATIENTS WITH AND WITHOUT MAJOR CORONARY RISK FACTORS THAT UNDERWENT ELECTIVE CORONARY ANGIOGRAPHY M. Sadeghi, B. Elahi Rajayi Heart Center, Tehran, Iran	069

P106 **Poster Session**
SYSTEMIC HYPERTENSION: BASIC AND CLINICAL

Board No		Abstract No.
29	<p>PRE-DIABETES IN HYPERTENSIVE PATIENTS WITH VITAMIN D DEFICIENCY N.K. Agarwal, S.K. Agarwal St. George's University, St. George's, Grenada, West Indies, Agarwal Health Center, East Orange, NJ, USA</p>	070
30	<p>ANTHROPOMETRIC MEASURES AS PREDICTORS OF PREHYPERTENSION IN ADOLESCENTS M. Bracho, C. Esis, E. Silva, A. Gonzalez, J. Villasmil, S. Briceno, G. Bermudez, G. Calmon, Instituto de Enfermedades Cardiovasculares de la Universidad del Zulia, Maracaibo, Venezuela</p>	071
31	<p>12-WEEK TREATMENT WITH VALSARTAN ON CENTRAL AORTIC SYSTOLIC PRESSURE MEASURED BY BPRO DEVICE IN HYPERTENSIVE ASIANS H.H. Teong, A. Chin, A.A. Sule, V. Chadachan, P. Handa, J.C. Tay Tan Tock Seng Hospital, Singapore</p>	072
32	<p>EFFECT OF PRIOR ANTI-HYPERTENSIVE USE ON MORTALITY IN PATIENTS WITH CARDIOGENIC SHOCK REQUIRING INTRAORTIC BALLOON PUMP USAGE J.H.J. See, J. Chow, Changi General Hospital, Singapore</p>	073
33	<p>SUBCLINICAL DEPRESSION IN A HYPERTENSIVE POPULATION S.K. Agarwal, Agarwal Health Center, East Orange, NJ, USA</p>	074
34	<p>THE ASSOCIATION BETWEEN PHYSICAL ACTIVITY LEVELS AND BLOOD PRESSURE D. Wijesena, J. Liu, Brock University, ON, Canada</p>	075
35	<p>RENAL SYMPATHETIC DENERVATION: A SYSTEMATIC ANALYSIS S. Sontineni, O. Bansal, Creighton University, Omaha, NE, USA</p>	076
36	<p>PREVALENCE OF HYPERTENSION AND FACTORS ASSOCIATED AMONG HIGH SCHOOL STUDENTS IN ZAHEDAN, IRAN F. Khoshkhou, A. Arbabisarjou Islamic Azad University of Zahedan Branch, Zahedan, Iran</p>	077
37	<p>INVESTIGATIONS OF PLANTS USED FOR THE HYPERTENSION IN THE DAGANBHUIYAN UPAZILA WITHIN FENI DISTRICT OF BANGLADESH M.A.H. Mollik Peoples Integrated Alliance, Mirpur, Dhaka, Bangladesh, Prescience Trust Funds, Phoenixville, PA, USA</p>	078

PL03 Plenary Session**NEW INSIGHTS INTO THE PATHOGENESIS, PREVENTION AND TREATMENT OF CARDIOMYOPATHIES**

Chairs: **K. Chatterjee**, San Francisco, CA, USA
N.S. Dhalla, Winnipeg, MB, Canada

Abstract No.

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|-------|--|-----|
| 14:00 | MECHANISMS OF CARDIAC DYSFUNCTION IN DIABETIC CARDIOMYOPATHY (Invited Lecture)
N.S. Dhalla , St. Boniface Hospital Research Centre, Winnipeg, MB, Canada | 079 |
| 14:15 | ARE THERE DIFFERENCES IN PATHOPHYSIOLOGY AND VENTRICULAR REMODELING BETWEEN SYSTOLIC AND DIASTOLIC HEART FAILURE? (Invited Lecture)
K. Chatterjee , Medicine University of Iowa, Medicine University of California San Francisco, CA, USA | 080 |
| 14:30 | PERIPARTUM CARDIOMYOPATHY: AN UPDATE ON CLINICAL PROFILE IN THE UNITES STATES
U. Elkayam , University of Southern California, Keck School of Medicine, Los Angeles, CA, USA | |
| 14:45 | APTAMERS BIND AND NEUTRALIZE BETA1-RECEPTOR AUTOANTIBODIES: BASICS FOR A NEW TREATMENT OPTION IN CARDIOMYOPATHY (Invited Lecture)
I. Schimke , Pathobiochemie and Medizinische Chemie Charite - Universitätsmedizin Berlin, Germany | 082 |
| 15:00 | CARDIOTOXICITY IN CANCER THERAPY (Invited Lecture)
J. Liu , Memorial Sloan Kettering Cancer Center, New York, NY, USA | 083 |
| 15:15 | IRON-OVERLOAD CARDIOMYOPATHY: PATHOPHYSIOLOGY, DIAGNOSIS, AND TREATMENT (Invited Lecture)
G.Y. Oudit , Mackenzie Health Sciences Centre Edmonton, Alberta, Canada | 085 |
| 15:30 | THE DEGRADATION SYSTEM IN CARDIOMYOCYTES (Invited Lecture)
O. Yamaguchi , Osaka University Graduate School of Medicine, Japan | 086 |
| 15:45 | ALCOHOL SEPTAL ABLATION VS. SEPTAL MYECTOMY FOR HOCM: WHEN TO DO WHICH (Invited Lecture)
M.A. Fifer , Massachusetts General Hospital, Boston, MA, USA | 084 |
| 16:00 | A SYSTEMATIC REVIEW FOR SUDDEN CARDIAC DEATH IN HYPERTROPHIC CARDIOMYOPATHY PATIENTS WITH MYOCARDIAL FIBROSIS: A CMR LGE STUDY
R.W.W. Biederman , N.J. Silva, A.T. Paladino, M. Doyle, S.T. Reddy, G. Rayarao, J. Yamrozik, R.B. Williams, D.A. Vido Gerald McGinnis Cardiovascular Institute, Allegheny General Hospital, Pittsburgh, PA, USA | 087 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

PL04 Plenary Session

SUDDEN DEATH AND NOVEL APPROACHES TO ARRHYTHMIA MANAGEMENT

Chairs: **M.E. Cain**, Buffalo, NY, USA
A.B. Curtis, Buffalo, NY, USA

Abstract No.

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|-------|---|-----|
| 14:00 | CARDIAC ARRHYTHMIAS IN THE ELDERLY-MANAGEMENT ISSUES
(Invited Lecture)
K.A. Adarsh , Govt. Medical College/G.N.D. Hospital, Amritsar, Punjab, India | 088 |
| 14:15 | NEW INSIGHTS INTO IDENTIFICATION OF PATIENTS AT RISK FOR SUDDEN CARDIAC DEATH
(Invited Lecture)
M.E. Cain , University at Buffalo, Buffalo, NY, USA | 089 |
| 14:30 | IS CARDIAC RESYNCHRONIZATION THERAPY PROARRHYTHMIC?
(Invited Lecture)
A. Curtis , University of Buffalo, Buffalo, NY, USA | 090 |
| 14:45 | THE PREVALENCE AND PROGNOSTIC SIGNIFICANCE OF EARLY REPOLARIZATION (J WAVE) IN BRUGADA SYNDROME (Invited Lecture)
M. Takagi , Osaka City University Graduate School of Medicine, Osaka, Japan | 091 |
| 15:00 | ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY: DISEASE OF THE DESMOSOME WITH MULTIPLE CLINICAL PRESENTATIONS
(Invited Lecture)
F. Duru , University Hospital of Zurich, Switzerland | 092 |
| 15:15 | HEART FAILURE AND AICD'S: TIME TO GO BEYOND THE INITIAL SHOCK
(Invited Lecture)
J.M. Aranda Jr. , University of Florida College of Medicine, Gainesville, FL, USA | 093 |
| 15:30 | DIAGNOSTIC SIGNIFICANCE OF TC-99M-PYP RADIONUCLIDE MYOCARDIAL SCINTIGRAPHY, EVALUATING POSSIBLE PRESENCE, SEVERITY OF SARCOID CARDIOMYOPATHY AND SUDDEN CARDIAC DEATH RISK PREVENTION IN 178 SYSTEMIC SARCOIDOSIS PATIENTS STUDIED
(Invited Lecture)
N.I. Angomachalelis , Aristotle University School of Medicine, Thessaloniki, Greece | 094 |
| 15:45 | BENEFIT OF AV- AND VV-DELAY OPTIMIZATION IN PATIENTS TREATED WITH CARDIAC RESYNCHRONIZATION THERAPY: A META-ANALYSIS
D. Auger , U. Hoke, J.J. Bax, E. Boersma, V. Delgado
Centre Hsopitalier de l'Universite de Montreal, Montreal, QC, Canada | 095 |
| 16:00 | THERAPEUTIC HYPOTHERMIA IS ASSOCIATED WITH A GOOD NEUROLOGIC OUTCOME IN PATIENTS WHO SURVIVED AN IN-HOSPITAL CARDIAC ARREST
S.U. Nair , T. Macatangay, J.B. Lundbye
Hartford Hospital, Hartford, CT, USA | 096 |

SATURDAY, JULY 28, 2012

PL04 Plenary Session		Abstract No.
SUDDEN DEATH AND NOVEL APPROACHES TO ARRHYTHMIA MANAGEMENT (cont.)		
16:15	CLINICAL VARIABLES ASSOCIATED WITH THE DEVELOPMENT OF ELECTRICAL STORM IN PATIENTS WITH CHAGAS' DISEASE AND AN ICD W.F. McIntyre , M. Valentino, A. Treggia W.M. Hopman, A. Baranchuk Kingston General Hospital, Queen's University, Kingston, ON, Canada	097
16:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	
14:00 – 16:15		Hall C
S23 Session		
SECONDARY PREVENTION, MODIFICATION OF LIPOPROTEINS, PROGNOSIS, RISK STRATIFICATION		
Chairs: Y. Charuzi , Los Angeles, CA, USA C. Rosendorff , New York, NY, USA		
14:00	INDEPENDENT PREDICTORS OF MORTALITY, REHOSPITALIZATION, AND CARDIAC SYNCOPE IN THE ELDERLY: A RETROSPECTIVE STUDY S. Khera , W.S. Aronow, C. Palaniswamy, S. Sule, J.V. Doshi, S. Adapa, N. Balasubramaniam, C. Ahn, S.J. Peterson, C. Nabors New York Medical College, Valhalla, NY, USA	098
14:15	FRAILTY IS INDEPENDENTLY ASSOCIATED WITH SHORT-TERM OUTCOMES FOR ELDERLY PATIENTS WITH NON-ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION N.G. Ekerstad , E. Swahn, M. Janson, J. Alfredsson, R. Lofmark, M. Lindenberger, P. Carlsson The Centre for Medical Technology Assessment/IMH, Linkoping University and Trollhattan-Vanersborg-Uddevalla, Sweden	099
14:30	MICROVASCULAR RETINOPATHY PREDICTS FUTURE CARDIAC EVENTS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE S.K. Chew , A. Hutchinson, D. Colville, J. Savige The Northern Hospital, Melbourne, VIC, Royal Melbourne Hospital, Melbourne, VIC, Australia	100
14:45	LIPID PROFILE IN 3 DIFFERENT ETHNIC GROUPS IN THE VERY ONSET OF ST SEGMENT ELEVATION MYOCARDIAL INFARCTION (STEMI) F. Ancona, M. Spartera, N. Cristell, A. Durante, A. Laricchia, G. Peretto , D. Hu, Uren Ng, A. Maseri, D. Cianflone Università Vita-Salute San Raffaele, Istituto Scientifico San Raffaele, Milan, Italy	101
15:00	ASSOCIATION BETWEEN PNEUMOCOCCAL VACCINATION AND MORTALITY IN PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION B. Kaseer, J. Chahin, R. Weyandt, M. Zahid , ExcelaHealth Cardiology, Greensburg, PA, USA, University of Pittsburgh, Pittsburgh, PA, USA	102

SATURDAY, JULY 28, 2012

S23	SECONDARY PREVENTION, MODIFICATION OF LIPOPROTEINS, PROGNOSIS, RISK STRATIFICATION (cont)	Abstract No.
15:15	APPLYING THE CADILLAC RISK SCORE IN ASIAN PATIENTS WITH ACUTE ST SEGMENT ELEVATION MYOCARDIAL INFARCTION WHO UNDERWENT PRIMARY PERCUTANEOUS CORONARY INTERVENTION B.W.M. Liew , J. Chow, S.H. Ong, C.H. Tan, P.P. Goh Changi General Hospital, Singapore	103
15:30	EFFECT OF XUEZHUKANG, AN EXTRACT FROM RED YEAST CHINESE RICE, ON CORONARY EVENTS IN A CHINESE POPULATION WITH PRIOR MYOCARDIAL INFARCTION Z. Lu, W. Kou, B. Du, Y. Wu, S. Zhao, D.M. Capuzzi Thomas Jefferson University, Philadelphia, PA, Lankenau Institute for Medical Research, Wynnewood, PA, USA	104
15:45	CIGARETTE SMOKING INCREASES ASPIRIN RESISTANCE IN STABLE ANGINA S. Khosropanah , A. Azad Shiraz University of Medical Sciences, Shiraz, Iran	105
16:00	BLOOD GLUCOSE LEVEL ON ADMISSION AS A SIMPLE PREDICTOR OF CORONARY OCCLUSION DEGREE IN ACUTE CORONARY SYNDROME C.K. Simanjuntak , F. Liwang, B. Aprilia, W.J. Iskandar, G. Lilihata, R. Kurniawan, F.C. Fredy, S.A. Nasution Faculty of Medicine Universitas Indonesia, Jakarta, Indonesia	106
16:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S24

Session

NEW DIRECTIONS IN CARDIAC SURGERY: SURGICAL REVASCLARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTATION

Chairs: **M.E. Bowdish**, Los Angeles, CA, USA
W. Mohl, Vienna, Austria

Abstract No.

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|-------|--|-----|
| 14:00 | CASE SERIES USING THE ROTAFLOW SYSTEM FOR TEMPORARY RIGHT VENTRICULAR ASSIST DEVICE FOLLOWING HEARTMATE II IMPLANTATION
A. Khani-Hanjani , G. Loor, M. Mountis, T. Chameogeorgakis, A. Shafii, M. Hanna, E. Soltesz, G.V. Gonzalez-Stawinski
Cleveland Clinic, Cleveland, OH, USA | 107 |
| 14:15 | COMBINED HEART AND LIVER TRANSPLANTATION – THE CLEVELAND CLINIC EXPERIENCE
A. Dave Nagpal , T. Chamogeorgakis, A.E. Shafii, M. Hanna, C.M. Miller, J. Fung, G.V. Gonzales-Stawinski, Cleveland Clinic, Cleveland, OH, USA | 108 |
| 14:30 | DEVELOPMENT OF SEVERE CHRONIC KIDNEY DISEASE AFTER ORTHOTOPIC HEART TRANSPLANTATION
H. Yerebakan, M. Ji, A. Kossar, S. Khalid , S. Jones, L. Soni, M. Argenziano, H. Takama, Y. Naka, F.H. Cheema
University of Connecticut Health Center, Farmington, CT, USA | 109 |
| 14:45 | SURGICAL TREATMENT OF MYOCARDIAL BRIDGING IN 46 PATIENTS
Q. Y. Wu, Z.H. Xu, H.Y. Li, B. Yuan, L. Wang
Heart Center, First Hospital of Tsinghua University, Beijing, China | 110 |
| 15:00 | SAFETY AND PREDISPOSITION FOR INFECTIONS AFTER DENTAL PROCEDURES IN MECHANICAL ASSIST DEVICES (LVADS) RECIPIENTS
K.C. McCants , J.B. McCants, P.S. Combs, P. Raheja, E. Birks, M.S. Slaughter
University of Louisville & Jewish Hospital, Louisville, KY, USA | 111 |
| 15:15 | INTRA-AORTIC BALLOON PUMP COUNTERPULSATION HAS NO EFFECT ON IN-HOSPITAL MORTALITY IN ACUTE CORONARY SYNDROMES COMPLICATED BY CARDIOGENIC SHOCK
C.N. Ionescu , P. ElAzoury, T.J. Donohue, A. Gbantous
Hospital of Saint Raphael, New Haven, CT, USA | 112 |
| 15:30 | CORRELATION BETWEEN HYPOMAGNESEMIA AND CORONARY VASCULOPATHY POST HEART TRANSPLANT
W.I. Khalife , M. Morsy, S. Garikipati, P. Nalabothu
University of Texas Medical Branch, Galveston, TX, USA | 113 |
| 15:45 | EXERCISE RESPONSE AFTER CARDIAC TRANSPLANTATION
E. Abiodun Oluwatosin
Renaissance Consultant, Lagos, Nigeria | 114 |
| 16:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 28, 2012

16:45 – 19:15

Hall A

PL05 Plenary Session

A GLIMPSE TO THE FUTURE – GENETICS OF HEART DISEASE

Joint Session with the American College of Cardiology / California Chapter

Chairs: **K.N. Pandey**, New Orleans, LA, USA
R. Roberts, Ottawa, ON, Canada

Abstract No.

16:45	GENE DELIVERY TO REGULATE VASCULAR SMOOTH MUSCLE FUNCTION (Invited Lecture) J.D. Marsh , University of Arkansas for Medical Sciences, Little Rock, AR, USA	115
17:00	GENETICS OF CORONARY ARTERY DISEASE (Invited Lecture) R. Roberts , University of Ottawa Heart Institute, ON, Canada	116
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S25

Session

ATHEROSCLEROSIS: PRIMARY PREVENTION, RISK ASSESSMENT

Chairs: **A.L. Klatsky**, Oakland, CA, USA
R. Manfredini, Ferrara, Italy

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- | | | |
|-------|---|-----|
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K.A. Quattrini , J. Liu, B. Faught, J. Hay, J. Cairney
University of Saskatchewan College of Dentistry, Saskatoon, Saskatchewan, Canada | 135 |
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Sao Paulo State Cardiology Society, Brazil | 136 |
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Sri Jayadeva Institute of Cardiovascular Sciences & Research, Bangalore, India | 140 |
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National Heart Institute, Cairo, Cairo Kidney Center, Cairo, Egypt
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James A Lovell Federal Health Care Center, North Chicago, IL, and Rosalind Franklin University of Medicine and Science, Chicago Medical School, North Chicago, IL, USA

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P203 **Poster Session** **CARDIAC PACING, DEFIBRILLATION AND RESYNCHRONIZATION THERAPY**

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INTERNATIONAL ACADEMY OF CARDIOLOGY
17th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2012

TORONTO, ON, CANADA, , JULY 27 – 30, 2012

**SCIENTIFIC
PROGRAM**

Sunday, July 29, 2012

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PL07 Plenary Session

CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE AND ACUTE CORONARY SYNDROME

Chairs: **J.H. Chesebro**, Worcester, MA, USA
U. Thadani, Oklahoma City, OK, USA

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08:45	WHAT IS CONSIDERED TO BE THE OPTIMAL TREATMENT FOR STABLE ANGINA IN THE YEAR 2012? (Invited Lecture) U. Thadani , University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA	182
09:00	EFFICIENT CHEST PAIN EVALUATION IN THE ED: ADDITIONAL VALUE OF HIGH SENSITIVITY TROPONIN (Invited Lecture) J.H. Chesebro , UMASS Memorial Medical School and Medical Center, Worcester, MA, USA	183
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10:00	EMBOLIC PROTECTION IN STEMI: WHEN AND HOW? (Invited Lecture) E. Kaluski , NJ Medical School & University Hospital, Newark, NJ, USA	188
10:15	A NOVEL APPLICATION OF EXERCISE TREADMILL TESTING IN A CARDIOLOGY PRACTICE (Invited Lecture) Y. Charuzi , UCLA School of Medicine, Los Angeles, CA, USA	189
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PL08 Plenary Session

PLATELETS AND INFLAMMATION IN ISCHEMIC HEART DISEASE

Chairs: **L.C. Becker**, Baltimore, MD, USA
J.G. Filep, Montreal, QC, Canada

Abstract No.

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09:00	PLATELET FUNCTION AND CLINICAL ISCHEMIC OUTCOMES (Invited Lecture) L.C. Becker , Johns Hopkins University School of Medicine, Baltimore, MD, USA	193
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09:45	CARBAMYLATION VERSUS OXIDATION OF LDL: COMPETITION, MECHANISMS AND ROLE IN CARDIOVASCULAR DISEASE (Invited Lecture) A.G. Basnakian , University of Arkansas for Medical Sciences, Little Rock, AR, USA	196
10:00	SMALL INTESTINE APPEARS TO PLAY A MAJOR ROLE IN SYSTEMIC INFLAMMATION AND CARDIOVASCULAR COMPLICATIONS (Invited Lecture) M. Navab , David Geffen School of Medicine at UCLA, Los Angeles, CA, USA	197
10:15	IMMUNIZATIONS AND ACUTE CORONARY SYNDROMES: IS THERE A ROLE? (Invited Lecture) M. Zahid , University of Pittsburgh, Pittsburgh, PA, USA	198
10:30	CORONARY PLAQUE EROSION AND MYELOPEROXIDASE: INSIGHT FROM A CLINICOPATHOLOGICAL STUDY (Invited Lecture) G. Niccoli , Catholic University of the Sacred Heart, Rome, Italy	199
10:45	DEFINING THE ANTI-INFLAMMATORY ACTIVITY OF M-T7, A MYXOMAVIRAL CHEMOKINE MODULATOR THROUGH MUTAGENESIS M.Y. Bartee, H. Chen, E. Dai, L. Liu, J.A. Davids, A.R. Lucas University of Florida, Gainesville, FL, USA	200
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09:15	NOVEL TISSUE DOPPLER PARAMETERS IN STAGING OF DIASTOLIC DYSFUNCTION N. Nair , S. John, D. Jupiter, E. Gongora, P. Lammert, C. Tong TAMHSC College of Medicine, Temple, TX, USA	204
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09:45	ROLE OF MITRAL INFLOW AND TISSUE DOPPLER IMAGING IN DETECTING MYOCARDIAL VIABILITY BY DOBUTAMINE STRESS ECHOCARDIOGRAPHY O.A. Rifaie , Z.F. Abdelsalam, M.A. Abdallah, H.A. Ismail AinShams University Cairo, Egypt	206
10:00	LEFT ATRIAL FUNCTION IN IDIOPATHIC PULMONARY HYPERTENSION M. Henein , G. Bajraktari, S. Soderberg, M. Y. Henein, P. Lindqvist Umea University, Umea, Sweden	207
10:15	DIAGNOSTIC UTILITY OF TRANSTHORACIC ECHOCARDIOGRAPHY IN EVALUATION OF PEDAL EDEMA J. Kahan , F. Bajwa, H. Makani, A. Supariwala, A. Shah, N. Htyte, F. Chaudhry St. Luke's Roosevelt Hospital, Columbia University College of Physicians and Surgeons, New York, NY, USA	486

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S26 **Session** **NEW DIAGNOSTIC METHODS AND IMAGING TECHNIQUES / ECHOCARDIOGRAPHY** **(cont.)**

Abstract No.

- 10:30 CHARACTERIZING DIFFERENCES IN ECHOCARDIOGRAPHIC PARAMETERS OF DIASTOLIC FUNCTION BETWEEN ATRIAL FIBRILLATION AND SINUS RHYTHM AMONG PATIENTS WITH HFPEF IN A REAL WORLD COHORT **208**
M.S. Sidhu, A.M. Robert, J.R. Brown, J.N. Gigliotti, J. Zipursky, S.P. Costa, R.T. Palac, D.J. Malenka, M.L. Greenberg, A.T. Kono
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
- 10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

08:30 – 10:30

Hall D

S27 **Session** **HYPERTENSION, BASIC AND CLINICAL**

Chairs: **J.N. Bella**, Bronx, NY, USA
C. Desouza, Boulder, CO, USA

- 08:30 INFLUENCE OF SLEEP-TIME BLOOD PRESSURE IN THE PROGNOSTIC VALUE OF ISOLATED-OFFICE AND MASKED HYPERTENSION **209**
R.C. Hermida, D.E. Ayala, A. Mojon, J.R. Fernandez
University of Vigo, Vigo, Spain
- 08:45 ROLE OF TIME-OF-DAY OF HYPERTENSION TREATMENT ON THE J-SHAPED RELATIONSHIP BETWEEN BLOOD PRESSURE AND CARDIOVASCULAR RISK **210**
R.C. Hermida, D.E. Ayala, A. Mojon, J.R. Fernandez
University of Vigo, Vigo, Spain
- 09:00 AMBULATORY BLOOD PRESSURE PATTERN OF RESISTANT HYPERTENSION: DEPENDENCE ON TREATMENT-TIME REGIMEN OF HYPERTENSION MEDICATIONS: THE HYGIA PROJECT **211**
M.T. Rios, J.J. Crespo, M. Dominguez, J. Boveda, C. Duran, A. Ferreras, A. Otero, M.J. Fontao, **D.E. Ayala**, R.C. Hermida
University of Vigo, Vigo, Spain
- 09:15 EFFECTS OF VALSARTAN, EPROSARTAN OR LOSARTAN ON DIASTOLIC FUNCTION IN PATIENTS WITH ESSENTIAL HYPERTENSION **212**
L. Popescu, A. Caraush, Institute of Cardiology, Republic of Moldova
- 09:30 EFFECTS OF HYPERTENSION TREATMENT-TIME ON AMBULATORY BLOOD PRESSURE IN HYPERTENSIVE PATIENTS WITH CHRONIC KIDNEY DISEASE: THE HYGIA PROJECT **213**
D.E. Ayala, L. Pineiro, A. Moya, J.J. Crespo, A. Otero, E. Sineiro, S. Hernaiz, E. Marquez, A. Mojon, R.C. Hermida
University of Vigo, Vigo, Spain

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S27	Session HYPERTENSION, BASIC AND CLINICAL (cont)	Abstract No.
09:45	BLOOD PRESSURE PROFILE IN A STUDENT POPULATION FROM THE METROPOLITAN AREA OF CAMPINAS, BRAZIL D.J.B. Saraiva, A. Timerman, J.F.K. Saraiva , A. Avezum, J.R.Z. Mendes Sao Paulo State Cardiology Society, Sao Paulo, SP, Brazil	214
10:00	INTER-ARM SYSTOLIC BLOOD PRESSURE DIFFERENCE OF 15MM HG OR MORE IN TREATED HYPERTENSIVES N.K. Agarwal, S.K. Agarwal , Agarwal Health Center, East Orange, NJ, USA	215
10:15	ADVERSE IMPACT OF HYPERTENSION ON MORTALITY IN ELDERLY WOMEN AND MEN PRESENTING WITH ACUTE MYOCARDIAL INFARCTION V.N. Singh , N.N. Singh, J. Levine, N.N. Singh, M. Nelson, L. Marlow University of South Florida College of Medicine, Tampa, FL, USA	216
10:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

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PL09	Plenary Session VALVULAR AND CONGENITAL HEART DISEASE <i>Joint Session with the Heart Valve Society of America</i>	
	Chairs: W.J. Bommer , California, CA, USA J.S. Borer , New York, NY, USA	
11:15	THE ROLE OF LRP5 IN CALCIFIC AORTIC VALVE DISEASE: LDL-DENSITY-PRESSURE THEORY (Invited Lecture) N. Rajamannan , Mayo Clinic, Rochester, MN, USA	217
11:30	THE IMPACT OF HYPERTENSION AND ITS TREATMENT IN HEART VALVE DISEASE (Invited Lecture) J.S. Borer , State University of New York Downstate Medical Center, New York, NY, USA	218
11:45	PCI AND TAVR PERFORMANCE MEASURES: ONSITE VERSUS OFFSITE MONITORING (Invited Lecture) W.J. Bommer , University of California Davis, Medical Center, CA, USA	219
12:00	INTERVENTION IN ADULT CONGENITAL HEART DISEASE – STENTING IN COARCTATION OF THE AORTA WITH SPECIAL REFERENCE TO THE ROLE OF COVERED STENTS (Invited Lecture) M. Sadiq , Punjab Institute of Cardiology, Lahore, Pakistan	220
12:15	ADVANCES IN MANAGEMENT OF VALVULAR HEART DISEASE IN THE ELDERLY (Invited Lecture) I. Mikati , Northwestern Memorial Hospital, Chicago, IL, USA	221
12:30	PROSTHETIC VALVE THROMBOSIS: UNDERSTANDING THE GUIDELINES (Invited Lecture) S. Pislaru , Mayo Clinic College of Medicine, Rochester, MN, USA	222

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PL09	Plenary Session VALVULAR AND CONGENITAL HEART DISEASE (cont.) <i>Joint Session with the Heart Valve Society of America</i>	
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13:00	ANTICOAGULATION IN PREGNANT WOMEN WITH PROSTHETIC VALVES (Invited Lecture) S. Golland , Kaplan Hospital, Rehovot, Israel	224
13:15	A LUMPED-PARAMETER MODEL OF MITRAL VALVE BLOOD FLOW FOR ASSESSMENT OF DIASTOLIC LEFT VENTRICULAR FILLING G. Szabo , J. Fine, G. Veres, M. Karck, L. Waite University of Heidelberg, Heidelberg, Germany	225
13:30	ARE PATENT FORAMEN OVALE INHERITED? A MONOZYGOTIC TWIN STUDY R. Gurtu , S.G. Ray, W. Newman, F. MK Williams, C.N. McCollum Manchester Health Academic Sciences Centre, University of Manchester, Manchester, UK	226
13:45	CLINICAL AND ECHOCARDIOGRAPHIC PROFILE AND PREGNANCY OUTCOMES IN PATIENTS WITH RHEUMATIC HEART DISEASE AT THE UNIVERSITY OF THE PHILIPPINES-PHILIPPINE GENERAL HOSPITAL M.J.T. Reyes , L. Macapugay, K. Tumabiene, M. Alferes, F.R. Punzalan UP-Philippine General Hospital, Manila, Philippines	227
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PL10 Plenary Session

ATRIAL FIBRILLATION – NEW RISK FACTORS AND THERAPIES

Chairs: **A. Bollmann**, Leipzig, Germany
A. Martinez-Rubio, Barcelona, Spain

Abstract No.

11:15	METABOLIC SYNDROME AND DYSLIPIDEMIA AS RISK FACTORS FOR ATRIAL FIBRILLATION (Invited Lecture) H. Watanabe , Niigata University Graduate School of Medical & Dental, Japan	228
11:30	GENOTYPE-BASED ATRIAL FIBRILLATION THERAPIES (Invited Lecture) D. Husser , Heart Center Leipzig, Germany	229
11:45	CRYOABLATION OF ATRIAL FIBRILLATION: IS IT READY FOR PRIMETIME? (Invited Lecture) K. Srivathsan , Mayo Clinic Arizona, Phoenix, AZ, USA	230
12:00	ANTICOAGULATION AND ATRIAL FIBRILLATION: ANTITHROMBOTICS STATE OF THE ART (Invited Lecture) K. Seidl , Klinikum Ingolstadt, Ingolstadt, Germany	231
12:15	NOVEL TECHNOLOGIES FOR ATRIAL FIBRILLATION MONITORING AND CATHETER ABLATION (Invited Lecture) A. Bollmann , D. Husser Heart Center, Leipzig, Germany	232
12:30	NEW ANTICOAGULANTS IN ATRIAL FIBRILLATION: ARE ALL THE SAME? (Invited Lecture) A. Martinez-Rubio , Hospital de Sabadell, Barcelona, Spain	233
12:45	ATRIAL FIBRILLATION ABLATION USING ANATOMICALLY DESIGNED CATHETERS AND UNDER DIRECT VISION (Invited Lecture) T. Deneke, A. Schade , Heart Center Bad Neustadt, Bad Neustadt, Germany	234
13:00	DISMAL RATES OF ANTICOAGULATION IN ELDERLY WOMEN FOR STROKE PREVENTION IN ATRIAL FIBRILLATION V.N. Singh , N.N. Singh, J. Levine, N.N. Singh, M. Nelson, L. Marlow University of South Florida College of Medicine, Tampa, FL, USA	235
13:15	LONG TERM OUTCOME OF ATRIAL FIBRILLATION THERAPIES: AN ACAP-RACE REGISTRY ANALYSIS E.F. Aziz, B. Pratap , C.K. Pamidimukala, T. Park, S. Qadir, H. Muafa, P. Gnanaprakasam, R. Reddy, U. Pai, E. Herzog St. Luke's-Roosevelt Hospital Center, University Hospital Columbia University, College of Physicians and Surgeons, New York, NY, USA	236
13:30	RENIN-ANGIOTENSIN SYSTEM GENE POLYMORPHISMS AND THE RISK OF STROKE IN PATIENTS WITH ATRIAL FIBRILLATION: A PROSPECTIVE OBSERVATION STUDY C-T. Tsai , J.L. Lin, J.J. Hwang, L.P. Lai National Taiwan University Hospital, Taipei, Taiwan	237
13:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

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Session

RECENT ADVANCES IN CARDIAC IMAGING / RISK PREDICTION

Chairs: **M-R. Movahed**, Tucson, AZ, USA
T. Tomaru, Chiba, Japan

Abstract No.

- | | | |
|-------|---|-----|
| 11:15 | ASSESSMENT OF VIABILITY IN PATIENTS WITH CHRONIC TOTAL OCCLUSIONS: A CARDIAC MAGNETIC RESONANCE STUDY
D.J. Shah , H.W. Kim, R.J. Kim
Methodist Debakey Heart & Vascular Center, Houston, TX and Duke Cardiovascular Magnetic Resonance Center, Durham, NC, USA | 238 |
| 11:30 | CORKSCREW CORONARY ARTERIES: INNOCENT BYSTANDER OR SIGNIFICANT RISK FACTOR?
D. Godkar, N. Gupta , S. Jain, A. Hamdan, V. De Bari, F. Shamoan, M. Bikkina
Seton Hall University, Newark, NJ, USA | 239 |
| 11:45 | ANATOMY OF MAIN CORONARY ARTERY LOCATION: RADIAL POSITION AROUND THE AORTIC ROOT CIRCUMFERENCE
Z. Almuwaqqat , M. Tranquilli, J.A. Elefterides
Yale University, New Haven, CT, USA | 240 |
| 12:00 | A PATH TO SAFE MRI SCANNING OF CARDIAC PACEMAKER PATIENTS: A ROLE FOR COMPUTER MODELING
S-M. Park , M. Lazebnik, J.J. Hunt, S.J. Fraasch, J.H. Harrison
Medtronic, Inc., Mounds View, MN, USA | 241 |
| 12:15 | MYOCARDIAL PERFUSION IMAGING IN PATIENTS WITH ATRIAL FIBRILLATION IS NOT INFERIOR TO REGULAR SINUS RHYTHM FOR SCREENING OF CORONARY ARTERY DISEASE
S. Her , M.W. Park, C.J. Kim
Daejeon St. Mary's Hospital, Daejeon, South Korea | 242 |
| 12:30 | VALIDATION OF SPECKLE TRACKING STRAIN MEASUREMENTS AS AN ACCURATE AND REPRODUCIBLE TECHNIQUE FOR DETECTING GLOBAL AND SEGMENTAL MYOCARDIAL DEFORMATION
A.M. Anwar, Y.F. Nosir , M. Alasnig, M.A. Llemit, A.F. Elhagoly, H. Chamsi-Pasha
King Fahd Armed Force Hospital, Jeddah, Saudi Arabia | 243 |
| 12:45 | LEFT ATRIAL SYSTOLIC STRAIN RATE ESTIMATES PULMONARY CAPILLARY PRESSURE: A SIMULTANEOUS ECHOCARDIOGRAPHY AND CARDIAC CATHETERIZATION STUDY
M. Henein , S. Soderberg, M. Gonzalez, E. Tossavainen, M.Y. Henein, P. Lindqvist
Umea University, Umea, Sweden | 244 |
| 13:00 | THE CLINICAL IMPLICATIONS OF A NORMAL CORONARY CT ANGIOGRAM
John N. Makaryus, P. Ruisi, A.N. Makaryus, S. Desai
North Shore University Hospital, Manhasset, New York, NY, USA | 245 |
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Session
VASCULAR BIOLOGY, BASIC RESEARCH

Chairs: **N.G. Frangogiannis**, Bronx, NY, USA
S-J. Lin, Taipei, Taiwan

Abstract No.

- | | | |
|-------|---|-----|
| 11:15 | CHRONIC STRESS CONVERTS ATHEROSCLEROTIC LESIONS FROM A STABLE TO A MORE VULNERABLE PHENOTYPE
A.H. Najafi , N. Aghili, J.U. Tilan, J.A. Andrews, X. Peng, R. Virmani, Z. Zukowska, S.E. Epstein, M.S. Burnett
Cardiovascular Research Institute, Washington, DC, USA | 246 |
| 11:30 | CYSTATHIONINE-GAMMA-LYASE: A NOVEL THERAPEUTIC TARGET IN TREATING SEPTIC SHOCK
G. Sikka, A.K. Mustafa , J. Steppan, S.M. Jung, L. Santhanam, V. Barodka, J. Sevilla, D. Nyhan, S.H. Snyder, D.E. Berkowitz
Yale School of Medicine, New Haven, CT, USA | 247 |
| 11:45 | INCREASED ANGIOGENESIS IS NOT ABLE TO IMPROVE HEART FUNCTION AFTER CELL THERAPY
A. Schuh, A. Curaj, S. Korschalla, A. Kroh, B. Butzbach, A. Schober, E. Liehn
RWTH Aachen University, Aachen, Germany | 248 |
| 12:00 | INFLUENCE OF CONTRAST MEDIUM ON THE ENDOTHELIAL CELL LINE HCMEC
A. Peleg , Y. Hasin, Poriya, Cardiovascular Research Lab, Tiberias, Israel | 249 |
| 12:15 | ESSENTIAL ROLE OF ROS IN MEDIATING STRETCH-INDUCED LEPTIN SECRETION AND VASCULAR SMOOTH MUSCLE HYPERTROPHY
C. Ghantous, L. Dib, M. Al-Hariri, A. Jaffa, A. Zeidan
American University of Beirut, Lebanon | 250 |
| 12:30 | THE OMEGA 3 EPA:DHA 6:1 CAUSES REDOX-SENSITIVE PI3-KINASE/AKT-DEPENDENT ACTIVATION OF ENDOTHELIAL NO SYNTHASE
F. Zgheel, M. Alhosin, C. Auger, V.B. Schini-Kerth
Strasbourg University, Illkirch, France | 251 |
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Kansas City VA Medical Center, Kansas City, MO, USA | 252 |
| 13:00 | ORAL ANTI INFLAMMATORY PEPTIDE F REDUCES SYSTEMIC INFLAMMATION AND IMPROVES HDL FUNCTION
A. Gapele , O. Elboudwarej, J. Bowers Obioha, S. Vazirian, M. Memarzadeh, G. Hough
David Geffen School of Medicine, University of California, Los Angeles, CA, USA | 253 |
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ADVANCES IN CARDIAC SURGERY**

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2	CONCURRENT THORACIC AORTIC ANEURYSMS IN INTRACRANIAL ANEURYSM PATIENTS G.A. Kuzmik, M. Gunel, K.R. Bulsara, M. Tranquilli, J.A. Elefteriades Yale University School of Medicine, New Haven, CT, USA	255

**P302 Poster Session
HEART FAILURE – EPIDEMIOLOGY, PATHOPHYSIOLOGY AND THERAPIES**

3	BETA BLOCKER USAGE AND OUTCOMES ACCORDING TO PATIENT RISK IN PATIENTS WITH HEART FAILURE AND PRESERVED EJECTION FRACTION A. Verma , A.M. Lewin, P.D. Galbraith, M.L. Knudtson, J.G. Howlett University of Calgary, Calgary, AB, Canada	256
4	ACUTE AND CHRONIC IMPACTS OF ASV THERAPY ON LEFT CHAMBER GEOMETRY AND FUNCTION IN PATIENTS WITH HEART FAILURE N. Haruki , S. Ando, M. Takeuchi, Y. Otsuji University of Occupational and Environmental Health, School of Medicine, Kitakyushu, Japan	257
5	ACE INHIBITORS AND ANGIOTENSIN-II BLOCKERS FOR CHF AT DISCHARGE IN AN INNER-CITY HOSPITAL IN MINORITY POPULATION M. Bhandari, H. Patel, U. Khan, C. McCaleb, R. Alvi , N.C. Balodkar Bronx-Lebanon Hospital Center, Affiliated with Albert Einstein College of Medicine Bronx, NY, USA	258
6	STUDY THE EFFECT OF SPIRONOLACTON IN AIRWAY RESISTANCE WITH IMPULSE OSCILLOMETRY IN PATIENTS WITH CONGESTIVE HEART FAILURE (CHF) M. Hassan Adel , M. Nourizadeh, M. Adel, Y. Gholampour, S. Majidi, S. Asadmoghadam, N. Asadinia Imam Hospital, Ahvaz, Iran	259
7	TREATMENT WITH CAPTOPRIL DECREASED SERUM C REACTIVE PROTEIN LEVELS IN PATIENTS WITH MILD CHAGASIC CARDIOMYOPATHY R.A. Bonfante-Cabarcas , Y. Al Atrache Gatrif, M. Silva Falcon, A. Docimo, H. Hernandez, Y. Delgado, J.L. Concepcion, C.C. Rodriguez-Bonfante Universidad Centroccidental Lisandro Alvarado, Barquisimeto, Lara, Venezuela	260

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University of Madison, Wisconsin, WI, USA
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J.M. Sztajzel, K. Sievert, A. Bayes de Luna
Cardiology Service, University Hospital, Geneva, Switzerland
- 10 PHYSIOLOGY OF THE SECOND HEART SOUND: INSIGHTS FROM DIGITAL PHONOCARDIOGRAPHY **263**
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- 11 IMPACT OF METHANOL INTOXICATION ON THE HUMAN ELECTROCARDIOGRAM **264**
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Queen's University, Kingston, ON, Canada
- 12 EARLY REPOLARIZATION SEEN ON ECG IS INDEPENDENTLY ASSOCIATED WITH AFRICAN AMERICAN RACE, AGE <30, BMI >25 AND HEART RATE < 70 BPM **265**
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Caremore and University of Arizona Sarver Heart Center, Tucson, AZ, USA
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Penn State College of Medicine, Hershey, PA, USA

P305 Poster Session

QUALITY IMPROVEMENT AND OUTCOMES

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Albany Medical College, Albany, NY, USA
- 16 CHEST PAIN EMERGENCY DEPARTMENT EVALUATION IN WOMEN, LESS THAN AGE 40 YEARS: CAN WE CHANGE PRACTICE HABITS? **269**
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West Virginia University - Charleston Division, Charleston, WV, USA
- 17 HADS SCORE IN CHEST PAIN PATIENTS REFERRED TO A CARDIOVASCULAR CLINIC **270**
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19	CHEST PAIN READMISSION PREDICTORS - A CLINICAL EXPERIENCE FROM INPATIENT CHEST PAIN OBSERVATIONAL STUDY M. Singh, M.R. Bajwa , V.H.Bolla, P. Mills UCSF MEP FRESNO, Fresno, CA, USA	272
20	PREDICTORS OF 30DAY READMISSION IN ACUTE DECOMPENSATED HEART FAILURE PATIENTS TREATED WITH ULTRAFILTRATION M. Aradhya , S. Silparshetty, H. Polimera, D. Gajanana, E. Amedeo, P. Sugathan St Lukes Hospital, Bethlehem, PA, USA	273

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P307 **Poster Session** **MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH**

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24	INDUCTION OF IL-17 SIGNALLING IN THE RAT HEART EXPOSED TO IN VIVO ISCHEMIA/REPERFUSION INJURY PROMOTES NECROTIC AND APOPTOTIC CELL DEATH L.I.I. Saravolatz, C. Scarabelli, L. Saravolatz, T.M. Scarabelli St John Hospital/Wayne State University, Detroit, MI, USA	277
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28	EFFECT OF MELATONIN ON THE HEART OF MICE TREATED WITH ISOPROTERENOL B. Nieto-Lima , R. Bautista-Pérez, A. Cano-Martínez Instituto Nacional de Cardiología "Ignacio Chávez", Mexico City, Mexico	281
29	PROAPOPTOTIC PROTEINS BAX AND BAK IN A MYOCARDIUM DAMAGE MODEL MEDIATED THROUGH DIGITALIS INTOXICATION M.C. Ramirez-Ortega , I. Cuevas-Escobar, J.F. Carrillo-Hernandez, M.L. Ibarra-Lara, G. Pastelin-Hernandez Instituto Nacional de Cardiología "Ignacio Chavez", Mexico D. F., Mexico	282
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31	LEFT ATRIAL VOLUME IS A PREDICTOR OF LEFT VENTRICULAR REMODELING IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION S. Fukuzawa, M. Inagaki, J. Sugioka, A. Ikeda, S. Okino Funabashi Municipal Medical Center, Funabashi, Japan	284
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32	COMPARISON OF POSTPRANDIAL LIPEMIA IN SEDENTARY AND ACTIVE WOMEN USING ORAL CONTRACEPTIVE A.D. Borges , D.M.L. Vieira, C.K.C. Sa, J. Petto, L.M.R. Vasques, R.L.S. Pinheiro, B.A. Giesta, A.M.T. Ladeia FTC, Brazil	285
33	PREVENTIVE EFFECT OF EZETIMIBE FOR PROGRESSION OF ARTERIOSCLEROSIS E. Matsubara , T. Matsubara, T. Tomaru Japanese Red Cross Medical Center, Japan	286
34	LEFT VENTRICULAR FUNCTIONS & LIPID PEROXIDATION IN CHRONIC KIDNEY DISEASE N. Nand , PGIMS, Rohtak, India	287

PL11 Plenary Session

**PATHOPHYSIOLOGY OF CARDIOVASCULAR DISEASE –
RISK FACTORS AND PREVENTION**

Chairs: **U. Keil**, Muenster, Germany
J.L. Mehta, Little Rock, AR, USA

Abstract No.

14:00	CARDIOVASCULAR PREVENTION - A GLOBAL PROBLEM (Invited Lecture) U. Keil , University of Muenster, Germany	288
14:15	DIURNAL RHYTHMS AND THE PATHOGENESIS OF CARDIOVASCULAR DISEASE (Invited Lecture) M.J. Sole , University of Toronto, Toronto, ON, USA	289
14:30	RECONSIDERATION OF THE ROLE OF STATINS IN PRIMARY PREVENTION; POTENTIAL OF ADVERSE EFFECT RELATED TO GENETIC VARIABILITY (Invited Lecture) J.L. Mehta , UAMS, Little Rock, AR, USA	290
14:45	COFFEE DRINKING AND RISK OF STROKE (Invited Lecture) A.L. Klatsky , Kaiser Permanente Medical Center, Oakland, CA, USA	291
15:00	ACUTE RESPIRATORY INFECTIONS AS TRIGGERS FOR CARDIOVASCULAR EVENTS (Invited Lecture) M. Madjid , Texas Heart Institute, Houston, TX, USA	292
15:15	STATINS FOR THE PRIMARY PREVENTION OF CVD IN WOMEN (Invited Lecture) S. Mora , Brigham and Women's Hospital, Boston, MA, USA	293
15:30	LIFESTYLE FACTORS AND THE RISK OF STROKE (Invited Lecture) G. Hu , Pennington Biomedical Research Center, Baton Rouge, LA, USA	294
15:45	DIET AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE: THE CURRENT LEVEL OF EVIDENCE (Invited Lecture) D.B. Panagiotakos , Harokopio University of Athens, Greece	295
16:00	FROM SURROGATE BIOMARKERS TO DETECTION OF ATHEROSCLEROSIS: ARE WE READY FOR A PARADIGM SHIFT IN PRIMARY CVD PREVENTION STRATEGIES? (Invited Lecture) K. Nasir , Yale University, New Haven, CT, USA	296
16:15	EARLY IDENTIFICATION OF SUBCLINICAL ATHEROSCLEROSIS: THE MOST EFFECTIVE WAY TO REDUCE SIGNIFICANTLY THE INCIDENCE OF CORONARY ARTERY DISEASE (Invited Lecture) S. Chumburidze , Scientific Research Clinic of Therapy, Tbilisi, Georgia	297
16:30	NOVEL PROBIOTIC FORMULATION FOR MANAGING CHOLESTEROL: CLINICAL INVESTIGATION OF BSH-ACTIVE LACTOBACILLUS REUTERI NCIMB 30242 YOGURT AND CAPSULE FORMULATIONS IN HYPERCHOLESTEROLEMIC ADULTS M.L. Jones , C.J. Martoni, S. Prakash McGill University, and Micropharma, Montreal, Quebec, Canada	298
16:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

PL12 Plenary Session

PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSMS AND PERIPHERAL ARTERY DISEASE

Chairs: **J.A. Elefteriades**, New Haven, CT, USA
S.D. Gertz, Jerusalem, Israel

Abstract No.

14:00	ACUTE AORTIC DISEASES: TEMPORAL PATTERNS OF ONSET AND CLINICAL OUTCOME (Invited Lecture) R. Manfredini , University of Ferrara, Italy	300
14:15	THERE IS AN EFFECTIVE MEDICAL TREATMENT FOR THORACIC AORTIC ANEURYSM (Invited Lecture) J.A. Elefteriades , Yale University School of Medicine, New Haven, CT, USA	299
14:30	CORONARY, CEREBRAL, AND ABDOMINAL AORTIC ANEURYSMS: SIMILARITIES IN PATHOGENESIS AND IMPLICATIONS FOR TREATMENT (Invited Lecture) S.D. Gertz , L.Y. Gavish, R. Beeri, D. Gilon, C. Rubinstein, Y. Berlatzky, A. Bulut, M. Harlev, P. Reissman, L. Gavish The Hebrew University, Hadassah Faculty of Medicine, Jerusalem, Israel	301
14:45	PREDICTION OF PROGNOSIS BY VASCULAR IMAGINGS IN PERIPHERAL ARTERY DISEASE AFTER ENDOVASCULAR TREATMENT (Invited Lecture) T. Tomaru , Toho University Sakura Hospital, Japan	302
15:00	ROLE OF IgE IN ANGIOTENSIN II-INDUCED ABDOMINAL AORTIC ANEURYSMS IN APOLIPOPROTEIN E-DEFICIENT MICE (Invited Lecture) G-P. Shi , Brigham and Women's Hospital, Boston, MA, USA	303
15:15	CRYOPLASTY OR CONVENTIONAL BALLOON POST-DILATION OF NITINOL STENTS FOR REVASCULARIZATION OF PERIPHERAL ARTERIAL SEGMENTS (COBRA TRIAL) (Invited Lecture) S. Banerjee , D. Tran, E.S. Brilakis, VA North Texas Healthcare System, Dallas, TX, USA	304
15:30	DA VINCI ROBOT AND VASCULAR SURGERY P. Stadler , L. Dvoracek, P. Vitasek, P. Matous, Na Homolce Hospital, Prague, Czech Republic	305
15:45	INTRALUMINAL VERSUS SUBINTIMAL APPROACH TO CHRONIC TOTAL OCCLUSIONS IN PERIPHERAL ARTERIAL DISEASE S. Amruthlal Jain , T. Larsen, F. Alcocer, M. Zughuib, P. Alexander Providence Hospital and Medical Center, Southfield, MI, USA	306
16:00	A SIMPLE, FAST AND ACCURATE METHOD TO DETECT PERIPHERAL ARTERIAL DISEASE IN AN OFFICE SETTING H.J. Semler , G.L. Geary, R. McRae, N. Santos Oregon Health Science University, Portland, OR, USA	307

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PL12	Plenary Session PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSMS AND PERIPHERAL ARTERY DISEASE (cont)	Abstract No.
16:15	CAROTID INTIMA MEDIA THICKNESS PROVIDES EVIDENCE THAT ASCENDING AORTIC ANEURYSM PROTECTS AGAINST SYSTEMIC ATHEROSCLEROSIS A. Hung , M. Zafar, S. Mukherjee, M. Tranquilli, L. Scoutt, J.A. Elefteriades Yale University School of Medicine, New Haven, CT, USA	308
16:30	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

14:00 – 16:30	Hall C
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S30	Session ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM THERAPY	
	Chairs: K. Seidl , Ingolstadt, Germany M. Takagi , Osaka, Japan	
14:00	DOES PHYSICIAN REVIEW IMPROVE THE ACCURACY OF NATIONAL CARDIOVASCULAR DATA REGISTRY (NCDR) ICD REGISTRY DATA SUBMISSION? THE WAKE FOREST BAPTIST MEDICAL CENTER (WFBMC) EXPERIENCE M. Jain , N. Shah, R. Henderson, B. Rubery, G. Brammer, T. Simmons Wake Forest Baptist Medical Center, Winston Salem, NC, USA	309
14:15	RESULTS OF THE LEAD EXTRACTION DEVICE EVALUATION AND RESULTS (LEADER) DATABASE C.J. Love , S.P. Kutalek, C. Starck, E.K. Bowser, B.E. Norlander The Ohio State University, Columbus, OH, USA	310
14:30	PACEMAKERS IN PATIENTS WITH HIGH SPINAL INJURY B.R. Porter , H. Jayanthi, A. Money-Kyrle Buckinghamshire Healthcare Trust, Stoke Mandeville Hospital, Bucks, UK	311
14:45	USE AND LONG-TERM OUTCOMES OF IMPLANTABLE CARDIOVERTER DEFIBRILLATOR DEVICES IN A POPULATION STUDY P.J. Bradshaw , M.S.T. Hobbs, T.G. Briffa, University of Western Australia, Perth, WA, Australia	312
15:00	USING PACEMAKER/IMPLANTABLE CARDIOVERTER DEFIBRILLATOR MODE SWITCH QUANTIFICATION TO ASSESS CLINICAL PREDICTORS OF ATRIAL FIBRILLATION RECURRENCE P. Ruisi, J.N. Makaryus, J.N. Catanzaro, A. Cedrone, A.N. Makaryus, R. Jadonath, S.J. Belner, S. Desai , North Shore University Hospital, Manhasset, NY, USA	313
15:15	COMMUNITY CARDIOVASCULAR SCREENING TO IDENTIFY MIDDLE SCHOOL CHILDREN AT RISK OF SUDDEN CARDIAC DEATH: THE HOUSTON EARLY AGE RISK TESTING AND SCREENING (HEARTS) STUDY J.P. Higgins , S.T. Laing, J.A. Samuels, A. Rajmane, G. Biliciler-Denktaş, D.D. Mcpherson, A. Ali The University of Texas Medical School at Houston, Houston, TX, USA	314

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S30	Session ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM THERAPY (cont)	Abstract No.
15:30	LONG-TERM SURVIVAL AND AICD THERAPY IN SURVIVORS OF CARDIAC ARREST TREATED WITH THERAPEUTIC HYPOTHERMIA B. Saour , V. Khurana, J. Yong, T. Waters, M. Liakos, M. Torosoff Albany Medical Center, Albany, NY, USA	315
15:45	CONTRACTILITY-GUIDED VENTRICULAR LEAD IMPLANT OPTIMIZES PACING AMONG PATIENTS WITH STRUCTURAL HEART DISEASE P.P. Karpawich , K. Zelin, H. Singh The Children's Hospital of Michigan, Wayne State University, Detroit, MI, USA	316
16:00	SYSTEMATIC ANALYSIS OF FAILED ATP IN AICD TO ACHIEVE RHYTHM IDENTIFICATION J.C. Caldwell , D.P. Redfearn, A.M. Baranchuk, K.A. Michael, C. Simpson, H. Abdollah, Arrhythmia Service, Kingston General Hospital, Kingston, ON, Canada	317
16:15	MYOTONIC DYSTROPHY AND CARDIAC CONDUCTION SYSTEM ABNORMALITIES: HOW AWARENESS AFFECTS THE PATIENT OUTCOME? K. Khalighi , S.B. Thapamagar, N. Singh Easton Hospital, Easton, PA, USA, Drexel University, Philadelphia, PA, USA	318
16:30	COFFEE, VISIT POSTERS AND EXHIBITION	

14:00 – 16:15

Hall D

S31	Session THE RELEVANCE OF GENETICS IN PROVIDING UNDERSTANDING AND TREATMENT FOR CARDIOVASCULAR DISEASES	
	Chairs: J.D. Marsh , Little Rock, AR, USA T. Toyo-Oka , Tokyo, Japan	
14:00	INTERACTION BETWEEN TELOMERASE AND MYOCARDIN A CRITICAL FOR CARDIOMYOGENIC DEVELOPMENT OF MESENCHYMAL STEM CELLS: AN IMPLICATION FOR CARDIOVASCULAR TISSUE REPAIR AND REGENERATION Y.J. Geng , University of Texas Houston Medical School, Houston, TX, USA	319
14:15	DETRIMENTAL IMPACT OF DIABETES ON EPHA2 KNOCKOUT MICE FOLLOWING MYOCARDIAL INFARCTION M.A. Farooqui , J. Virag, S. Kent, W. O'Neal, F. Faiz, J. Vuncannon, J Hodges, East Carolina University, Greenville, NC, USA	320
14:30	GENETIC VARIANTS REDUCING MTR GENE EXPRESSION INCREASE RISK OF CONGENITAL HEART DISEASE IN HAN CHINESE POPULATION H.Y. Wang , J.Y. Zhao, X.H. Gong, G.Y. Huang, B. Qiao, W.Y. Duan, H.B. Shen, L Jin, Fudan University, China	321

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S31 Session

THE RELEVANCE OF GENETICS IN PROVIDING UNDERSTANDING AND TREATMENT FOR CARDIOVASCULAR DISEASES (cont)

Abstract No.

- 14:45 THE MOLECULAR BASIS OF AUTOSOMAL DOMINANT HYPERCHOLESTEROLEMIA: ASSESSMENT IN A LARGE COHORT OF HYPERCHOLESTEROLEMIC CHILDREN **322**
A. van der Graaf, H.J. Avis, D.M. Kusters, M.N. Vissers, B.A. Hutten, J.C. Defesche, S.W. Fouchier, F.A. Wijburg, J.J.P. Kastelein, **A. Wiegman**
Academic Medical Center, Amsterdam, The Netherlands
- 15:00 HISTOLOGICAL AND FUNCTIONAL ASSESSMENT OF HUMAN PLACENTAL STEM CELLS IN A MYOCARDIAL RAT INFARCTION **323**
G. Makhoul, Y.T. Ma, M. Duong, R. Chiu, R. Cecere
McGill University, Montreal, QC, Canada
- 15:15 APICAL HYPERTROPHIC CARDIOMYOPATHY WITH A RARE MYBPC3 GENE MUTATION VARIANT **324**
P.T. Bhattacharya, T.A. Ahmad, M.A. Bataineh
Mercy Catholic Medical Center, Drexel University, Philadelphia, PA, USA
- 15:30 INFLAMMATION FOLLOWING MYOCARDIAL INFARCTION PLAYS AN IMPORTANT ROLE IN COLLAGEN SYNTHESIS AND CARDIAC REMODELLING **325**
A. Curaj, S Simsekylmaz, I. Kanzler, A. Schuh, **E. Liehn**
Institute for Molecular Cardiovascular Research (IMCAR), RWTH Aachen University, Aachen, Germany
- 15:45 A MISSENSE MUTATION IN THE CHRM2 GENE IS ASSOCIATED WITH FAMILIAL DILATED CARDIOMYOPATHY **326**
L. Zhang, A. Hu, H. Yuan, L. Cui, G. Miao, X. Yang, L. Wang, J. Liu, X. Liu, S. Wang
Beijing Chao-Yang Hospital affiliated Capital Medical University, Beijing, China
- 16:00 GLUCOCORTICOID AMELIORATED EARLY CARDIAC DYSFUNCTION AFTER CORONARY MICROEMBOLIZATION BY SUPPRESSING TGF-BETA1/SMAD3 AND CTGF EXPRESSION **327**
Z.W. Chen, J.Y. Qian, J.Y. Ma, S.F. Chang, Y.Z. Zou, J.B. Ge
Zhongshan Hospital, Fudan University, Shanghai, China
- 16:15 COFFEE, VISIT POSTERS AND EXHIBITION

PL13 Plenary Session

EMERGING MOLECULAR PARADIGMS IN MYOCARDIAL ISCHEMIA, INFARCTION AND REMODELING

Chairs: **L.A. Kirshenbaum**, Winnipeg, MB, Canada
C.S. Long, Denver, CO, USA

Abstract No.

16:45	LINEAGE MARKERS IN TRACKING CARDIAC FIBROBLAST FATE IN VIVO AND IN VITRO (Invited Speaker) C.S. Long , University of Colorado Health Sciences Center, Denver, CO, USA	328
17:00	p90RSK REGULATES CHIP UB LIGASE ACTIVITY VIA ERK5 AND PROMOTES CARDIAC DYSFUNCTION (Invited Speaker) J-I. Abe , University of Rochester School of Medicine and Dentistry, Rochester, NY, USA	329
17:15	NEGATIVE REGULATION OF TOLL LIKE RECEPTOR (TLR)/INTERLEUKIN-1 (IL-1) SIGNALING IN CARDIAC REPAIR (Invited Speaker) N.G. Frangogiannis , Albert Einstein College of Medicine, Bronx, NY, USA	330
17:30	CROSS-TALK BETWEEN MITOCHONDRIAL AND ER DEATH PATHWAYS IN THE HEART (Invited Speaker) L.A. Kirshenbaum , University of Manitoba, Winnipeg, MB, Canada	331
17:45	STEM CELLS FOR CARDIAC REGENERATION IN THE DIABETIC AND NON-DIABETIC HEART (Invited Speaker) D.K. Singla , University of Central Florida, Orlando, FL, USA	332
18:00	ROLE OF AUTOPHAGY IN THE HUMAN HEART EXPOSED TO IATROGENIC ISCHEMIA/REPERFUSION INJURY (Invited Speaker) T.M. Scarabelli , Wayne State University School of Medicine, Detroit, MI, USA	333
18:15	HABITUAL SHORT SLEEP DURATION IS ASSOCIATED WITH ENDOTHELIAL FIBRINOLYTIC DYSFUNCTION B.R. Weil, K.J. Diehl , J. Greiner, B.L. Stauffer, C.A. DeSouza University of Colorado, Boulder, CO, USA	334
18:30	THE MOLECULAR MECHANISM OF GALECTIN-3-STIMULATED CARDIAC FIBROBLAST PROLIFERATION W-R. Hao , J.C. Liu, T.H. Cheng, J-J. Chen Taipei Medical University, Taipei, Taiwan	335
18:45	MICRORNA-328 CONTRIBUTES TO ADVERSE REMODELING IN ATRIAL FIBRILLATION Y.J. Lv, H.L. Shan, W.F. Chu, D-L. Dong , B.F. Yang Harbin Medical University, Harbin, China	336

PL14 Plenary Session

HYPERTENSION: FROM GENETICS TO RECENT ADVANCES IN THERAPY

Chairs: **W.S. Aronow**, Valhalla, NY, USA
E. Bossone, Amalfi Coast, Italy

Abstract No.

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|-------|---|-----|
| 16:45 | ROLE OF ECHOCARDIOGRAPHY IN PULMONARY ARTERIAL HYPERTENSION: FROM DIAGNOSIS TO PROGNOSIS (Invited Speaker)
E. Bossone , Cava de Tirreni & Amalfi Coast Hospital, Italy | 337 |
| 17:00 | HYPERTENSION IN ELDERLY (Invited Lecture)
W.S. Aronow , Cardiology Division, New York Medical College, Valhalla, NY, USA | 338 |
| 17:15 | BLOOD PRESSURE TARGETS FOR PATIENTS WITH CORONARY ARTERY DISEASE: IS LOWER BETTER? (Invited Lecture)
C. Rosendorff , Mount Sinai School of Medicine, New York, NY and James J. Peters VA Medical Center, Bronx, NY, USA | 339 |
| 17:30 | SLEEP -TIME BLOOD PRESSURE AS A THERAPEUTIC TARGET FOR CARDIOVASCULAR RISK REDUCTION (Invited Lecture)
R.C. Hermida , Campus Universitario, Vigo, Spain | 340 |
| 17:45 | RENAL DENERVATION - STATE OF THE ART (Invited Lecture)
S.C. Bertog , Cardiovascular Center Frankfurt, Germany | 341 |
| 18:00 | PREHYPERTENSION: NOT A BENIGN VASCULAR CONDITION (Invited Lecture)
C. DeSouza , University of Colorado, Boulder, CO, USA | 342 |
| 18:15 | EMERGING MOLECULAR MECHANISMS OF PULMONARY ARTERIAL HYPERTENSION: ARE WE CLOSER TO A CURE? (Invited Lecture)
D.J. Stewart , Ottawa Health Research Institute, The Ottawa Hospital, ON, Canada | 343 |
| 18:30 | HOW IMPORTANT IS WHITE-COAT HYPERTENSION FOR THE APPROPRIATE TREATMENT OF HIGH-RISK PATIENTS WITH ISOLATED SYSTOLIC HYPERTENSION? (Invited Lecture)
S.S. Franklin , University of California, Irvine, CA, USA | 344 |

S32

Session

ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION

Chairs: **K.A. Adarsh**, Amritsar, Punjab, India
A. Schade, Bad Neustadt, Germany

Abstract No.

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|-------|---|-----|
| 16:45 | COMPARATIVE EFFICACY, COST AND RADIATION EXPOSURE DURING TACHYCARDIA ABLATION IN CHILDREN WITH AND WITHOUT FLUOROSCOPIC IMAGING
Y. Sanil , H. Singh, P.P. Karpawich
The Children's Hospital of Michigan, Wayne State University, Detroit, MI, USA | 345 |
| 17:00 | CHROMOSOME 4Q25 VARIANTS AND ATRIAL FIBRILLATION RECURRENCE AFTER CATHETER ABLATION
D. Husser , V. Adams, A. Arya, G. Hindricks, A. Bollmann
Heart Center Leipzig, Germany | 346 |
| 17:15 | NON-INVASIVE ASSESSMENT OF DRONEDARONE EFFECTS ON ATRIAL ELECTROPHYSIOLOGY DURING SINUS RHYTHM AND ATRIAL FIBRILLATION
S. John, J. Salmas, S. Lobe, M. Stridh, D. Husser, A. Bollmann
Heart Center Leipzig, Germany | 347 |
| 17:30 | DIMINISHED VALUE OF ADENOSINE REVEALING TRANSIENT PULMONARY VEIN CONDUCTION WHEN PRECEDED BY RADIOFREQUENCY ABLATION GUIDED BY HIGH OUTPUT PACING INDUCED EXIT CONDUCTION
S.J. Pollak , G. Monir
Arrhythmia and Ablation Center, Florida Heart Institute, Orlando, FL, USA | 348 |
| 17:45 | PROGNOSTIC SIGNIFICANCE OF MINOR TROPONIN ELEVATION IN PATIENTS WITH NEW ONSET ATRIAL FIBRILLATION
S.K. Mathias, A.G. DeNazareth , J.A. Fernandes, P. Gangi, A. Smer, V.M. Alla, D.J. Esterbrooks
Creighton University, Omaha, NE, USA | 349 |
| 18:00 | HYBRID APPROACH WITH RADIOFREQUENCY AND CRYOBALLOON ABLATION FOR PAROXYSMAL ATRIAL FIBRILLATION
M. Ahmed , J.S. Sussman, T.H. Mahoney, J.H. Curwin, R.F. Coyne, K. Quinlan, S.L. Winters
Gagnon Cardiovascular Institute, Morristown Medical Center, Morristown, NJ, USA | 350 |
| 18:15 | INTRACARDIAC ECHOCARDIORAPHY DOES NOT INCREASE ABLATION PROCEDURE TIME
J.E. Banchs , G.E. Smith, S.M. Samii, E.D. Penny-Peterson, D.L. Wolbrette, G.V. Naccarelli, M.D. Gonzalez
Penn State Hershey Heart & Vascular Institute, Hershey, PA, USA | 351 |

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S32 **ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION (cont)**

Abstract No.

- 18:30 EFFECT OF RADIOFREQUENCY CATHETER ABLATION ON ECHOCARDIOGRAPHIC PARAMETERS OF LEFT VENTRICULAR SYNCHRONY IN PATIENTS WITH PRE-EXCITATION DUE TO WOLFF-PARKINSON-WHITE SYNDROME
G.H. Davoodi, H. Ashraf, A. Kazemisaeid, S. Sadeghian, A. Vasheghani-Farahani, M. Sahebjam
Tehran Heart Center, Tehran University of Medical Sciences, Tehran, Iran **352**
- 18:45 RELATIONSHIP BETWEEN OBESITY AND COMPLICATIONS IN ATRIAL FIBRILLATION PATIENTS UNDERGOING CATHETER ABLATION
N. Sawaya, N. Abi Hatem, R. Sunna, S.L. Winters, T.H. Mahoney, R.F. Coyne, J.H. Curwin, J.S. Sussman
Morristown Medical Center, Morristown, NJ, USA **353**
- 19:00 MANAGEMENT OF ATRIAL FIBRILLATION BY CANADIAN ELECTROPHYSIOLOGISTS AFTER DISCONTINUATION OF THE PALLAS STUDY
K. Mohajer, B. Fregeau, V. Garg, A. Skanes, C.S. Simpson, D.P. Redfearn, K.A. Michael, A. Baranchuk
Heart Rhythm Service, Kingston General Hospital, Queen's University Kingston, ON, Canada **354**

P401 Poster Session

DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL

Board No		Abstract No.
1	OBESITY, INFLAMMATORY ADIPOKINES AND CARDIOVASCULAR DISEASE M.J. Hosseinzadeh-Attar , A. Golpaie, M. Talebpour School of Public Health, Tehran University of Medical Sciences, Tehran, Iran	355
2	ADJACENT QTC DISPERSION IN WELL CONTROLLED TYPE II DIABETES MELLITUS S. Khosropanah , M. Bahtoe, Shiraz University of Medical Sciences, Shiraz, Iran	356
3	AGREEMENT BETWEEN DIFFERENT MARKERS FOR THE DIAGNOSIS OF OVERWEIGHT AND OBESITY D.M.L. Vieira , A.D. Borges, M.C.C. Tenório, C.K.C. Sá FTC, Salvador - Ba, Brazil	357

P402 Poster Session

PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME

4	ROLE OF BLOOD UREA NITROGEN TO CREATININE RATIO IN THE PREDICTION OF INTRAVASCULAR VOLUME STATUS IN PATIENTS WITH SYSTOLIC HEART FAILURE M. Aldeiri , W.I. Khalife, M. Morsy, P. Nalabothu, A. Khanfar University of Texas Medical Branch (UTMB), Galveston, TX, USA	358
5	VALUE OF THE ECG IN THE DIAGNOSIS OF THE DIASTOLIC DYSFUNCTION M. Morsy , W.I. Khalife, P. Nalabothu, A. Khan, H. Van, S. Mutnuri, S. Hussein, S. Onguti University of Texas Medical Branch (UTMB), Galveston, TX, USA	359
6	ANEMIA IS A MARKER OF DIASTOLIC DYSFUNCTION IN MEN M. Morsy, W.I. Khalife, P. Nalabothu , A. Khan, V. Hoang, S. Onguti University of Texas Medical Branch (UTMB), Galveston, TX, USA	360
7	EFFECTS OF EARLY STAGE DIASTOLIC DYSFUNCTION ON FUNCTIONAL CAPACITY W.I. Khalife , M. Morsy, P. Nalabothu, A. Khan, H. Van, S. Mutnuri University of Texas Medical Branch (UTMB), Galveston, TX, USA	361
8	PREDICTORS OF RECOVERY IN PATIENTS WITH SEVERE SYSTOLIC HEART FAILURE W.I. Khalife , R. Al-Najjar, A. Al-Emam, A. Khanfar University of Texas Medical Branch (UTMB), Galveston, TX, USA	362
9	THE CARDIOVASCULAR CAPACITY RESERVE CONTROL IS THE NAME OF THE GAME: A NOVEL HYPOTHESIS COMPREHENSIVELY EXPLAINS SHOCK AND HEART FAILURE U. Gabbay , B.Z. Bobrovsky, Cardio Scale Ltd., Tel Aviv University, Tel Aviv, Israel	363

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P402 **Poster Session** **PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME**

Board No		Abstract No.
10	CORRELATION BETWEEN DIASTOLIC DYSFUNCTION AND BODY MASS INDEX WITH ABNORMAL LIVER FUNCTION TEST (LFT) A.R. Al Emam, W.I. Khalife , M. Morsy, P. Nalabothu University of Texas Medical Branch (UTMB), Galveston, TX, USA	364
11	DOES AGE AND SEX PREDICT MORTALITY IN PATIENTS WITH SEVERE SYSTOLIC HEART FAILURE? W.I. Khalife , P. Nalabothu, A. Al Emam, M. Morsy University of Texas Medical Branch (UTMB), Galveston, TX, USA	365

P403 **Poster Session** **PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE**

12	T-WAVE REVERSION DURING EXERCISE STRESS TESTING IN PEDIATRIC PATIENTS W. Hoyt, B.C. Cannon, C.S. Snyder Rainbow Babies and Children's Hospital, Cleveland, OH, USA	366
13	LEFT VENTRICULAR DIASTOLIC DYSFUNCTION IN ASYMPTOMATIC ADOLESCENTS: PREVALENCE AND ASSOCIATED FACTORS C. Esis , M. Bracho, A. Gonzalez, E. Silva, G. Bermudez, J. Villasmil, S. Briceno, G. Calmon, E. Clavell Instituto de Enfermedades Cardiovasculares de la Universidad del Zulia, Maracaibo, Venezuela	367
14	GERBODE TYPE DEFECT IN ADULTS AFTER REPAIR OF TETRALOGY OF FALLOT S. Yalonetsky , A. Lorber, R. Wald, E. Oechslin Rambam Hospital, Haifa, Israel	368
15	TREATMENT AND SEVEN YEAR FOLLOW UP OF A FETUS WITH SUPRAVENTRICULAR TACHYCARDIA AND HYDROPS: A CASE REPORT R.M. Atkins, S. Baker University of Oklahoma, Oklahoma City, OK, USA	369
16	CLINICAL PROFILE AND OUTCOMES OF PREGNANT PATIENTS WITH CONGENITAL HEART DISEASE AT THE UNIVERSITY OF THE PHILIPPINES-PHILIPPINE GENERAL HOSPITAL (UP-PGH) M.J.T. Reyes , R.B. Capito, F.R. Punzalan, U- Philippine General Hospital, Manila, Philippines	370

SUNDAY, JULY 29, 2012

P404 **Poster Session** **NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES**

Board No		Abstract No.
17	INCREMENTAL DIAGNOSTIC VALUE OF DYNAMIC CT-BASED MYOCARDIAL PERFUSION IMAGING FOR THE DETECTION OF HEMODYNAMIC RELEVANT CORONARY ARTERY STENOSIS AS DETERMINED BY FRACTIONAL FLOW RESERVE M. Greif , F. von Ziegler, J. Tittus, C. Becker, F. Bamberg, A. Becker University of Munich, Department of Cardiology, Munich, Germany	371
18	NON-INVASIVE RESPIRATORY MONITORING IN HEART FAILURE PATIENTS UNDERGOING INTERVENTIONAL PROCEDURES A. Panasyuk, M.J. Lalli, N. Yocum, S. Panasyuk, R. Lew, E.P. Messina S.C. Morss , C.J. Voscopoulos, J. E. Freeman Respiratory Motion, Inc., Waltham, MA, USA	372
19	THE ELECTROCARDIOGRAM LACKS SENSITIVITY FOR THE DETECTION OF MYOCARDITIS S. Jhamnani , A. Fuisz, J. Lindsay, Washington Hospital Center, Washington DC, USA	373

P405 **Poster Session** **INTERVENTIONAL CARDIOLOGY II**

20	COMPARISON OF INTERVENTION WITH DRUG ELUTING STENT AND MEDICAL TREATMENT IN PATIENT WITH CHRONIC TOTAL OCCLUSION H. Kim , E.H. Choo, Y.S. Ko, W.S. Chung, K.B. Seung The Catholic University of Korea, Seoul, Korea	374
21	COMPARISON OF CONTRAST-INDUCED NEPHROTOXICITY OF IODIXANOL AND IOPROMIDE IN PATIENTS WITH RENAL INSUFFICIENCY UNDERGOING CORONARY ANGIOGRAPHY T. J. Youn , K.J. Ahn, D.H. Shin, I.H. Chae, D.J. Choi Seoul National University, Seoul, Korea	375
22	NON RANDOMIZED TRIAL COMPARING SAME-DAY DISCHARGE WITH OVERNIGHT HOSPITAL STAY AFTER CORONARY ANGIOPLASTY J.M. Telayna , C. Garcia, R.A. Costantini Hospital Universitario Austral, Buenos Aires, Argentina	376
23	CORONARY DISEASE IN PATIENTS WITH BIFURCATION LESIONS T. Gil-Jimenez , L.A. Inigo-Garcia, A. Ramirez-Moreno, J.R. Siles-Rubio, C. Medina-Palomo, L. Fernandez-Lopez, O. Sanz-Vazquez, J.F. Munoz-Bellido, M. Pombo-Jimenez, F. Ruiz-Mateas, Hospital Costa del Sol, Marbella, Spain	377
24	EXCELLENT OUTCOMES WITH PERCLOSE IN A LARGE NUMBER OF UNSELECTED PATIENTS UNDERGOING CARDIOVASCULAR PROCEDURES G.S. Kang , UPMC Hamot Hospital, Erie, PA, USA	378
25	GRADUAL DECLINE IN IN-HOSPITAL MORTALITY OF PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION IN DIABETES AND NON-DIABETES PATIENTS M-R. Movahed , M. Hashemzadeh, M. Hashemzadeh The Southern Arizona VA Health Care System, AZ, USA	379

SUNDAY, JULY 29, 2012

P406 **Poster Session** **ACUTE CORONARY SYNDROMES: BASIC AND CLINICAL**

Board No		Abstract No.
26	ESTABLISHMENT OF CORONARY MICROEMBOLI VOLUME CAUSING VISIBLE MYOCARDIAL MICROINFARCTS ON MDCT AND MRI M. Saeed , S.W. Hetts, L. Do, S.M. Sullivan, M.W. Wilson University of California San Francisco, CA, USA	380
27	A RE-AUDIT ON THE USE AND PRESCRIPTION OF SUPPLEMENTAL OXYGEN IN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROME IN THE CORONARY CARE UNIT K. Ghoorah , J. Cam, D.P. Ripley, N. Swanson, M.A. de Belder, A. Harper Newcastle University, Newcastle Upon Tyne, UK	381
28	CARDIAC ELECTROPHYSIOLOGY, INJURY BIOMARKERS AND MYOCARDIAL VIABILITY IN VARIOUS TYPES OF ISCHEMIC INSULTS M. Saeed , S.W. Hetts, L. Do, M.W. Wilson University of California, San Francisco, CA, USA	382

P407 **Poster Session** **ANTIPLATELET AND ANTITHROMBOTIC THERAPIES IN PCI**

29	BLACK RACE A PREDICTOR OF HYPORESPONSIVENESS TO CLOPIDOGREL BY PLATELET FUNCTION TESTING IN EMERGENCY ROOM R.K. Sharma , H.K. Reddy, S.W. Erickson, R.K. Sharma, D.J. Voelker, H. Dod, R. Legaspi, V.N. Singh, J.D. Marsh University of Arkansas for Medical Sciences, Little Rock, AR, USA	383
30	A STUDY ON THE EFFICACY AND SAFETY OF A LOW DOSE CLOPIDOGREL USAGE IN CHINESE PEOPLE AFTER DRUG ELUTING STENT IMPLANTATION FOR 3 YEARS W. Fang , W.Z. Han, H. Chen, X.B. Qiu, X.M. Hou, Y.J. Xu, S.F. Guan, R.G. Li Shanghai Chest Hospital affiliated to Shanghai Jiaotong University, Shanghai, China	384



INTERNATIONAL ACADEMY OF CARDIOLOGY
17th WORLD CONGRESS ON
HEART DISEASE
ANNUAL SCIENTIFIC SESSIONS 2012

TORONTO, ON, CANADA, , JULY 27 – 30, 2012

**SCIENTIFIC
PROGRAM**

Monday, July 30, 2012

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PL15 Plenary Session

HEART FAILURE: NOVEL RISK FACTORS, BIOMARKERS, PREVENTION AND NEW TREATMENT OPTIONS

Chairs: **U. Elkayam**, Los Angeles, CA, USA
H.N. Sabbah, Detroit, MI, USA

Abstract No.

08:30	STEPS TO PREVENT HEART FAILURE (Invited Lecture) H.K. Reddy , University of Arkansas for Medical Sciences, Little Rock, AR, USA	385
08:45	THYROID HORMONE DYSFUNCTION AND HEART FAILURE: FEAR OF OVERTREATMENT MAY BE CAUSING HARM (Invited Lecture) A.M. Gerdes , New York College of Osteopathic Medicine, Old Westbury, NY, USA	386
09:00	INTERNATIONAL CLINICAL TRIALS: GOOD FOR THE NEW WORLD BAD FOR THE THIRD WORLD (Invited Lecture) S. Goldstein , Henry Ford Hospital, Detroit, MI, USA	387
09:15	AGING AND HEART FAILURE: ROLE OF HEALING AFTER MYOCARDIAL INFARCTION (Invited Lecture) B.I. Jugdutt , University of Alberta and Hospitals, Edmonton, Alberta, Canada	388
09:30	BAROREFLEX STIMULATION FOR THE TREATMENT OF HEART FAILURE (Invited Lecture) H.N. Sabbah , Henry Ford Hospital, Detroit, MI, USA	389
09:45	NOVEL HEMODYNAMIC RISK FACTORS FOR NEW - ONSET HEART FAILURE IN THE GENERAL POPULATION (Invited Lecture) J.A. Chirinos , University of Pennsylvania School of Medicine Philadelphia, PA, USA	390
10:00	MANAGEMENT OF PATIENT WITH ADVANCED HEART FAILURE (Invited Lecture) M.H. Pitzalis , East Carolina University, The Brody School of Medicine, Greenville, NC, USA	391
10:15	BLOOD UREA NITROGEN: AN EMERGING BIOMARKER FOR NEUROHORMONAL ACTIVATION IN HEART FAILURE (Invited Lecture) A. Kazory , University of Florida, Gainesville, FL, USA	392
10:30	DIET IN THE PREVENTION AND MANAGEMENT OF HEART FAILURE (Invited Lecture) C. Chrysohoou , First Cardiology Clinic, University of Athens, Greece	393
10:45	INCREASED RENAL ENAC SUBUNITS AND SODIUM RETENTION IN RATS WITH CHRONIC HEART FAILURE (Invited Lecture) H. Zheng , University of Nebraska Medical Center, Omaha, NE, USA	394
11:00	COFFEE, VISIT POSTERS AND EXHIBITION	

**PL16 Plenary Session
NOVEL CARDIOPROTECTIVE THERAPIES**

Chairs: **Y. Birnbaum**, Houston, TX, USA
P.K. Singal, Winnipeg, MB, Canada

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | EARLY INSULIN TREATMENT AMELIORATES POST-ISCHEMIC HEART FAILURE BY INHIBITION OF MYOCARDIAL CAMKII AND P38 MAPK ACTIVITY (Invited Lecture)
F. Gao , The Fourth Military Medical University, Xi'an, China | 395 |
| 08:45 | THE ROLE OF MYD88 IN THE ANTI-APOPTOTIC EFFECTS OF INTERLEUKIN-10 (Invited Lecture)
P.K. Singal , St. Boniface Hospital Research Centre, Winnipeg, MB, Canada | 396 |
| 09:00 | AMPLIFICATION OF THE MYOCARDIAL INFARCT SIZE LIMITING EFFECTS OF GLP-1 RECEPTOR ACTIVATION BY CILOSTAZOL, A PHOSPHODIESTERASE III INHIBITOR (Invited Lecture)
Y. Ye, Y. Birnbaum
Baylor College of Medicine, Houston, TX, USA | 397 |
| 09:15 | MOLECULAR MECHANISMS OF THE BENEFICIAL CARDIOVASCULAR EFFECTS OF TRANS-RESVERATROL (Invited Lecture)
U. Forstermann , Johannes Gutenberg University Medical Center, Mainz, Germany | 398 |
| 09:30 | OXYTOCIN – AN ANTI-OBESITY AND CARDIOPROTECTIVE MOLECULE (Invited Lecture)
D. Jezova , Institute of Experimental Endocrinology, Bratislava, Slovakia | 399 |
| 09:45 | LEFT VENTRICULAR FAILURE PRODUCES PROFOUND LUNG REMODELING AND PULMONARY HYPERTENSION: HEART FAILURE CAUSES SEVERE LUNG DISEASE (Invited Lecture)
Y. Chen , University of Minnesota, Minneapolis, MN, USA | 400 |
| 10:00 | THERAPEUTIC POTENTIAL OF TISSUE INHIBITOR OF METALLOPROTEINASES (TIMPS) FOLLOWING MYOCARDIAL INFARCTION (Invited Lecture)
Z. Kassiri , University of Alberta, Edmonton, AB, Canada | 401 |
| 10:15 | TRICYCLIC PSYCHIATRIC ANTIDEPRESSANTS AS ALPHA2A ADRENERGIC RECEPTOR LIGANDS MODULATING RECEPTOR FUNCTION (Invited Lecture)
Q. Wang , University of Alabama at Birmingham, AL, USA | 402 |
| 10:30 | THE INFLUENCE OF ACUTE MATRIX METALLOPROTEINASE ACTIVITY ON MYOCARDIAL DYSFUNCTION ASSOCIATED WITH URGENT CARDIAC SURGERY: CARDIOPROTECTIVE EFFECTS OF INHIBITION
E.S. Teh , D.J. Chambers
The Rayne Institute (King's College London), London, UK | 403 |
| 10:45 | COFFEE, VISIT POSTERS AND EXHIBITION | |

MONDAY, JULY 30, 2012

08:30 – 10:15 Hall C

S33

Session
INTERVENTIONAL CARDIOLOGY

Chairs: **B.F. Uretsky**, Little Rock, AR, USA
G.W. Vetrovec, Richmond, VA, USA

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | DEDICATED STENT TREATMENT VERSUS STANDARD TREATMENT FOR CORONARY BIFURCATIONS: LONG-TERM FOLLOW-UP
T. Gil-Jimenez , L.A. Inigo-Garcia, J.R. Siles-Rubio, A. Ramirez-Moreno, L. Fernandez-Lopez, C. Medina-Palomo, M. Pombo-Jimenez, J.F. Munoz-Bellido, O. Sanz-Vazquez, F. Ruiz-Mateas, Hospital Costa de Sol, Marbella, Spain | 404 |
| 08:45 | A MULTIDISCIPLINARY EFFORT TO DECREASE VASCULAR COMPLICATIONS FOLLOWING PERCUTANEOUS CORONARY INTERVENTION (PCI)
P. Muthusamy, D. Busman , D. Wohns
Grand Rapids Medical Education Partners, Grand Rapids, MI, USA | 405 |
| 09:00 | META-ANALYSIS OF TRIALS INVOLVING CHRONIC TOTAL OCCLUSIONS
M. Khan, M-R. Movahed
The Southern Arizona VA Health Care System, University of Arizona Sarver Heart Center, Tucson, AZ, USA | 406 |
| 09:15 | TRANSRADIAL CATHETERIZATION AND M-SIGN
G.H. Abusaid , W.I. Khalife,
University of Texas Medical Branch, Galveston, TX, USA | 407 |
| 09:30 | ADJUNCTIVE USE OF CORONARY EXCIMER LASER FOR LESIONS UNSUCCESSFULLY CROSSED WITH CORONARY BALLOONS
A. Singh, G. Srinivas , S. Singhal, D. Jauhar, B. Kaplan, R. Jauhar, B. Arkonac
Long Island Jewish Medical Center, New Hyde Park, NY, USA | 408 |
| 09:45 | GENDER AND AGE PREDICT HYPORESPONSIVENESS TO CLOPIDOGREL BY PLATELET FUNCTION TESTING IN EMERGENCY DEPARTMENT
H.K. Reddy , R. Sharma, S.W. Erickson, D.J. Voelker, M. Moazazi, H. Dod, V.N. Singh, J.D. Marsh, R.K. Sharma
University of Arkansas for Medical Sciences, Little Rock, AR, USA | 409 |
| 10:00 | CLINICALLY RELEVANT COMPOSITE OUTCOMES IN THE TREATMENT OF SYMPTOMATIC CORONARY ARTERY DISEASE (CAD)
E.L. Woollard , L.J. Wood, K.V. Woollard, T.G. Briffa
University of Western Australia, Perth WA, Australia | 410 |
| 10:15 | COFFEE, VISIT POSTERS AND EXHIBITION | |

PL17 Plenary Session

OBESITY, METABOLIC SYNDROME AND DIABETES

Joint Session with the American Society for Preventive Cardiology

Chairs: **M.A. Alpert**, Columbia, MO, USA
N.D. Wong, Irvine, CA, USA

Abstract No.

11:15	THE OBESITY PARADOX AND CARDIOVASCULAR DISEASE (Invited Lecture) M.A. Alpert , University of Missouri-Columbia School of Medicine, Columbia, MO, USA	411
11:30	THE EFFECT OF DIABETES ON SEX/GENDER DIFFERENCES IN CARDIOVASCULAR DISEASE: THE RANCHO BERNARDO STUDY (Invited Lecture) E. Barrett-Connor , University of California San Diego, La Jolla, CA, USA	412
11:45	ENDOTHELIAL DYSFUNCTION IN HYPERTENSION, DIABETES AND OBESITY (Invited Lecture) T. Malinski , Chemistry and Biochemistry Ohio University, Athens, OH, USA	413
12:00	SCREENING FOR CVD IN METABOLIC SYNDROME AND DIABETES? (Invited Lecture) N.D. Wong , Heart Disease Prevention Program, Division of Cardiology, University of California, Irvine, CA, USA	414
12:15	CARDIOVASCULAR DISEASE PREVENTION IN PATIENTS WITH DIABETES (Invited Lecture) G.L. Fung , UCSF Medical Center at Mt. Zion, San Francisco, CA, USA	415
12:30	REFINING RISK ASSESSMENT IN DIABETIC DYSLIPIDEMIA AFTER ACHIEVING LDL-C GOAL (Invited Lecture) O.P. Ganda , Harvard Medical School, Boston, MA, USA	485
12:45	NON-INVASIVE ULTRASOUND EVALUATION OF SUBCLINICAL ATHEROSCLEROSIS: PROGRESS AND PITFALLS (Invited Lecture) J.M. Gardin , Hackensack University Medical Center, Hackensack, NJ, USA	416
13:00	GENETIC RISK FACTORS FOR CARDIOVASCULAR DISEASE IN TYPE 2 DIABETES (Invited Lecture) L. Qi , Harvard School of Public Health, Boston, MA, USA	417
13:15	EFFICACY AND SAFETY OF SAXAGLIPTIN IN PATIENTS WITH TYPE 2 DIABETES AND HISTORY OF CARDIOVASCULAR DISEASE W. Cook , B. Bryzinski, J. Slater, M. Donovan, E. Allen Medical Affairs, AstraZeneca, Wilmington, DE, USA	418
13:30	ELEVATED AMBULATORY PULSE PRESSURE IN HYPERTENSIVE PATIENTS WITH TYPE 2 DIABETES: THE HYGIA PROJECT D.E. Ayala, A. Moya, S. Gomara, J.J. Crespo, M.C. Castineira, J.J. Sanchez, M. Dominguez, A. Mojon, J.R. Fernandez, R.C. Hermida , University of Vigo, Spain	419

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PL17 **Plenary Session**
OBESITY, METABOLIC SYNDROME AND DIABETES
Joint Session with the American Society for Preventive Cardiology (cont)

Abstract No.

- 13:45 AMBULATORY BLOOD PRESSURE THRESHOLDS FOR DIAGNOSIS OF HYPERTENSION IN TYPE 2 DIABETES BASED ON CARDIOVASCULAR OUTCOMES **420**
R.C. Hermida, D.E. Ayala, A. Mojon, J.R. Fernandez, University of Vigo, Spain
- 14:00 EFFICACY AND SAFETY OF SAXAGLIPTIN IN PATIENTS WITH TYPE 2 DIABETES STRATIFIED BY CARDIOVASCULAR RISK FACTORS **421**
W. Cook, J. Slater, B. Bryzinski, M. Donovan, E. Allen
Medical Affairs, AstraZeneca, Wilmington, DE, USA

11:15 – 13:45

Hall B

S34 **Session**
HEART FAILURE: PATHOGENESIS, MANAGEMENT, OUTCOMES

Chairs: **B.I. Jugdutt**, Edmonton, AB, Canada
 M.H. Pitzalis, Greenville, NC, USA

- 11:15 BIOIMPEDANCE VECTOR ANALYSIS IN THE DIAGNOSIS OF ACUTE DECOMPENSATED HEART FAILURE IN THE EMERGENCY DEPARTMENT **422**
D.W. Kehl, R. Choudhary, B. Dieffenbach, P. Clopton, P.R. Taub, A.S. Maisel
University of California at San Diego, San Diego, CA, USA
- 11:30 THE ROLE OF RIGHT VENTRICULAR FUNCTION IN PEDIATRIC IDIOPATHIC DILATED CARDIOMYOPATHY **423**
A. Groner, J. Yu, H. Ko, J. Nielsen, I. Lytrivi, I. Parness, S. Srivastava
Mount Sinai Medical Center, New York, NY, USA
- 11:45 IS “CHRONOTROPIC INCOMPETENCE” AN ADAPTIVE MECHANISM IN SYSTOLIC HEART FAILURE? **424**
J. Shirani, T.H. Lejemtel
St. Luke’s University Health Network, Bethlehem, PA, USA
- 12:00 PROGNOSTIC UTILITY OF QRS FRAGMENTATION IN PATIENTS WITH NON ISCHEMIC CARDIOMYOPATHY **425**
V.M. Alla, O. Bansal, S. Kanuri, M.B. Jayanna, Y.M. Reddy, **M. Kaushik**,
D. Lakkireddy, A. Mooss
Creighton University, Omaha, NE, USA
- 12:15 TAKOTSUBO CARDIOMYOPATHY AND STROKE **426**
M.L. Young, J. Stoehr, M.I. Aguilar, **F.D. Fortuin**
Midwestern University, Glendale, AZ, USA
- 12:30 MICRORNAs AS A WINDOW INTO CELLULAR PROCESSES OCCURRING SOON AFTER ACUTE MYOCARDIAL INFARCTION **427**
C. Watt, P. Sirish, N. Chiamvimonvat, J. López
University of California, Davis, Sacramento, CA, USA

MONDAY, JULY 30, 2012

S34 Session		
HEART FAILURE: PATHOGENESIS, MANAGEMENT, OUTCOMES (cont)		
		Abstract No.
12:45	EVALUATION OF ATRIAL ASYNCHRONY IN HEART FAILURE PATIENTS BY 2D SPECKLE TRACKING USING VELOCITY VECTOR IMAGING M. Esmailzadeh , M. Nikparvar, M. Maleki, F. Noohi, S.Z.M. Ojaghighi Haghighi, P. Nakhostin Davari, H. Bakhshandeh Tehran University of Medical Sciences, Rajaie Cardiovascular Medical and Research Center, Tehran, Iran	428
13:00	FREQUENCY OF IMPLANTABLE DEFIBRILLATOR (ICD) USE IN SEVERE SYSTOLIC HEART FAILURE AND EFFECTS ON MORTALITY R. Al-Najjar, T. Abu Sharifeh, A. Al Emam, A. Khanfar, W.I. Khalife University of Texas Medical Branch, Galveston, TX, USA	429
13:15	BETA BLOCKER UPTITRATION POST CRT: A SINGLE CENTER EXPERIENCE F.A. McGrew, E.E. Johnson, M.A. Coppess, J. Foon, S.B. Charlton, T.A. Charlton, J.J. Sims Stern Cardiovascular Clinic, Germantown, TN, USA	430
13:30	PROBNP AND TROPONIN COMBINED IS A STRONGER PREDICTOR OF READMISSIONS COMPARED TO PROBNP ALONE IN CHF PATIENTS N.C. Bhalodkar, A. Alvi, R. Alvi , U. Khan, J. N. Bella, M. Afshar Bronx-Lebanon Hospital Center affiliated with Albert Einstein College of Medicine, Bronx, NY, USA	431

11:15 – 13:45

Hall C

S35 Session		
ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT		
Chairs: M.E. Farkouh , Toronto, ON, Canada Y. Ueda , Osaka, Japan		
11:15	DIABETES MELLITUS IS A PREDICTOR OF HYPORESPONSIVENESS TO CLOPIDOGREL BY PLATELET FUNCTION TESTING IN EMERGENCY ROOM R.K. Sharma , S.W. Erickson, R. Sharma, D.J. Voelker, F. Forsea, H. Dod, V.N. Singh, H.K. Reddy, J.D. Marsh University of Arkansas for Medical Sciences, Little Rock, AR, USA	432
11:30	MRI EVALUATION OF LEFT VENTRICULAR FUNCTION POST CORONARY OCCLUSION/REPERFUSION AND EMBOLIZATION IN SWINE MODEL M. Saeed , S.W. Hetts, L. Do, S.M. Sullivan, M.W. Wilson University of California San Francisco, CA, USA	433

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S35 **Session** **ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT (cont)**

		Abstract No.
11:45	ANTIDEPRESSANT USE, SEROTONIN TRANSPORTER AFFINITY, AND REINFARCTION AMONG PATIENTS RECEIVING CLOPIDOGREL: A POPULATION-BASED STUDY N. Fnais , M. Alshaikh, Z. Yao, T. Gomes, D. Juurlink, M. Mamdani King Saud University, Riyadh, Saudi Arabia	434
12:00	SERUM CORIN IS REDUCED AND PREDICTS ADVERSE OUTCOME IN NON S-T ELEVATION ACUTE CORONARY SYNDROME A. Peleg , Y. Hasin, Poriya Hospital, Tiberias, Israel	435
12:15	TRANSRADIAL PERCUTANEOUS CORONARY ANGIOPLASTY IN ACUTE MYOCARDIAL INFARCTION J.M. Telayna , R.A. Costantini, C. Garcia Hospital Universitario Austral, Buenos Aires, Argentina	436
12:30	A SINGLE CENTER REAL WORLD COMPARISON OF PROCEDURE TIMES IN THE TRANSRADIAL AND TRANSFEMORAL APPROACHES TO PRIMARY PCI M.J. Martinelli , K.M. Forbush, M.E. Sturm, C.L. Lasky, M. Fecko St. Peter's Hospital, Albany, NY, USA	437
12:45	DIFFERENCES IN THE USE OF CARDIAC PROCEDURES BETWEEN WOMEN AND MEN FOLLOWING HOSPITAL ADMISSION WITH ACUTE MYOCARDIAL INFARCTION: IS THE GAP GETTING NARROWER? N.N. Singh , V.N. Singh, J. Levine, N.N. Singh, M. Nelson, L. Marlow Suncoast Cardiovascular Research, St Petersburg, FL, USA	438
13:00	CHALLENGES IN THE MANAGEMENT OF POSTPARTUM SPONTANEOUS CORONARY ARTERY DISSECTION A.G. Truesdell, J. Li, G.A. Delgado , J.D. Abbott, M.K. Atalay, A.K. Singh Warren Alpert Medical School of Brown University, Providence, RI, USA	439
13:15	ETHNIC VARIATIONS IN PRESENTATION AND DOOR TO BALLOON TIME IN PATIENTS WITH STEMI K. Heretis, E. Shlofmitz , M. Balek, C. Park, A.J. Buda New York Hospital of Queens, Weill-Cornell Medical College, New York, NY, USA	440
13:30	REVASCULARIZATION WITH PERCUTANEOUS TECHNIQUES OR SURGERY IS ASSOCIATED WITH IMPROVED IN-HOSPITAL SURVIVAL IN ELDERLY PATIENTS HOSPITALIZED WITH ACUTE MYOCARDIAL INFARCTION V.N. Singh , N.N. Singh, J. Levine, N.N. Singh, M. Nelson, L. Marlow University of South Florida College of Medicine, Tampa, FL, USA	441

P501 Poster Session
PRIMARY PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS
FOR ATHEROTHROMBOTIC DISEASE

Board No		Abstract No.
1	<p>ROLE OF DIETARY HABITS AMONG THREE DIFFERENT ETHNIC GROUPS IN ST-SEGMENT ELEVATED MYOCARDIAL INFARCTION (STEMI)</p> <p>G. Peretto, A. Durante, A. Laricchia, F. Ancona, M. Spartera, U. NG, D. Hu, N. Cristell, A. Maseri, D. Cianflone Università Vita-Salute San Raffaele, Istituto Scientifico San Raffaele, Milan, Italy</p>	442
2	<p>BORDERLINE HIGH LDL-C AND ENDOTHELIAL VASOCONSTRICTOR TONE</p> <p>K.J. Diehl, J.J. Greiner, B.L. Stauffer, C.A. DeSouza University of Colorado, Boulder, CO, USA</p>	443
3	<p>ASSOCIATION OF PHYSICAL ACTIVITY IN A YOUNG STUDENT POPULATION FROM THE CITY OF CAMPINAS, BRAZIL</p> <p>J.F.K. Saraiva, D.J.B. Saraiva, A. Avezum, A. Thimerman, L.A.M. Cesar, J.R.Z. Mendes, C.C. Magalhaes Sao Paulo State Cardiology Society, Sao Paulo, SP, Brazil</p>	444
4	<p>A SCHOOL-BASED EDUCATIONAL INTERVENTION ON CARDIOVASCULAR DISEASE RISK FACTOR KNOWLEDGE AMONG IRANIAN HIGH SCHOOL STUDENTS</p> <p>F. Khoshkhou, A. Arbabisarjou Islamic Azad University of Zahedan Branch, Zahedan, Iran</p>	445
5	<p>RELATIONSHIP OF CARDIOMETABOLIC RISK FACTORS, REVEALED IN HEALTH CENTERS, AND DATA OF DISPERSION ECG-CARTING</p> <p>M.V. Avdeeva, A.B. Shapovalova, L.V. Shcheglova St.-Petersburg State Pediatric Medical Academy, St. Petersburg, Russia</p>	446
6	<p>INCREASED PSYCHOSOCIAL STRESS IN GREEK MIGRANTS WITH CHD: THE HEALTHY HEART, HEALTHY MIND STUDY</p> <p>L.A. Kiroopoulos, I. Meredith, A. Tonkin, D. Clarke, P. Antonis, J. Plunkett University of Melbourne, Melbourne and Monash University, Melbourne, Australia</p>	447
7	<p>EFFECT OF SUPPLEMENTATION OF FOLIC ACID & VITAMIN B12 ON CARDIOVASCULAR MORTALITY & HYPERHOMOCYSTEINEMIA IN CHRONIC KIDNEY DISEASE</p> <p>Nitya Nand PGIMS, Rohtak, India</p>	448
8	<p>HYPOMAGNEAEMIA IN CARDIO-CEREBROVASCULAR DISEASE IS LINKED OF SOME RISK FACTORS OF ATHEROSCLEROSIS AND OF MISSING TOOTH, IN PATIENTS FROM ROMANIA</p> <p>I.A. Gutiu, L.I. Gutiu, F.S. Radulescu, M. Cojocaru Military Emergencies Hospital, Bucuresti, Romania</p>	449

MONDAY, JULY 30, 2012

P502 Poster Session VALVULAR HEART DISEASE / HEART VALVE SURGERY

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