

VANCOUVER, BC • 2013



INTERNATIONAL ACADEMY OF CARDIOLOGY  
18th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2013

Vancouver, BC, Canada, July 26-29, 2013

**PROGRAM**

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**INTERNATIONAL ACADEMY OF CARDIOLOGY**  
**18th WORLD CONGRESS ON**  
**HEART DISEASE**  
**ANNUAL SCIENTIFIC SESSIONS 2013**

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**Acknowledgements:**

We would like to offer very special thanks to

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for their generous educational grants. This financial support has helped make this Congress possible.

**CME Approved by AMA:**

The scientific program of the 18th World Congress on Heart Disease has been reviewed by the American Medical Association and approved for 25.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. One credit may be claimed for each hour of participation in approved sessions.

**Faculty Disclosure Policy:**

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

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## *Dear Friend and Colleague,*

On behalf of the Organizing Committee, it is my great pleasure to welcome you to Vancouver and to the International Academy of Cardiology - 18th World Congress on Heart Disease, Annual Scientific Sessions 2013.

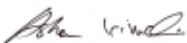
The Congress has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiovascular medicine, primarily in the areas of molecular biology, coronary artery disease, heart failure, cardiac arrhythmias and cardiac surgery.

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 785 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 53 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, and to our dedicated staff, colleagues, friends and families for their untiring help, support and advice in planning and arranging this meeting.

We hope that you will enjoy the Congress and that your interaction with your colleagues from many different countries will stimulate a creative exchange of ideas and will be personally rewarding. We also hope and trust that you will enjoy your visit to the very beautiful and exciting city of Vancouver, in July 2013.

Yours sincerely,



**Asher Kimchi, MD**  
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## INTERNATIONAL ACADEMY OF CARDIOLOGY MEMORIAL AWARDS

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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 are selected by a very prestigious Awards Committee. The awards for 2013 will be presented at the Opening Ceremony of the Congress.

### AWARD RECIPIENTS

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

1995	William Ganz, USA
1996	John B. Barlow, South Africa
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
2012	Anne B. Curtis, 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
2012	Teruhiko Toyo-Oka, Japan



## AWARD RECIPIENTS (cont'd)

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
2012	Ulrich Keil, Germany

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
2012	Louis P. Perrault, Canada

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
2012	Barry F. Uretsky, USA

## INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

The International Academy of Cardiology has established Distinguished Fellowship Awards, to honor colleagues who have made profound contributions to 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

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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
2012	Wilbert S. Aronow, USA
2012	Navin C. Nanda, USA
2012	Robert Roberts, Canada





## 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?  
**Daniel S. Berman**, USA
- 2007 HOW BEST TO IDENTIFY PATIENTS AT RISK FOR SUDDEN CARDIAC DEATH  
**Michael E. Cain**, USA

- 2008 WOMEN AND HEART DISEASE IN THE POST-WHI ERA  
**Elizabeth L. Barrett-Connor**, USA
- 2010 VOODOO DEATH REVISITED: THE MODERN LESSONS OF  
NEUROCARDIOLOGY  
**Martin A. Samuels**, USA
- 2011 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND  
THERAPEUTIC IMPLICATION  
**Jawahar L. Mehta**, USA
- 2012 PERIPARTUM CARDIOMYOPATHY: NEW CONCEPTS IN PATHOPHYSIOLOGY  
AND MANAGEMENT  
**Uri Elkayam**, USA



## ACKNOWLEDGEMENTS

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

**Medtronic**

**Thoratec Corporation**



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

**Steve Adler**

**Tomer Aharon**

**Dror Ben-Tzvi**

**Karen H. Burstein**

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Our grateful thanks also to Gerald F. Edelstein, partners, associates and staff of Edelstein, Laird & Sobel, P.C., Los Angeles, USA, for their continued support and invaluable contribution in arranging the legal aspects of the Congress.

## GENERAL INFORMATION

### VENUE AND HEADQUARTERS HOTEL

The Hyatt Regency Vancouver is the venue and headquarters hotel of the International Academy of Cardiology  
18th World Congress on Heart Disease  
Annual Scientific Sessions 2013

#### Hotel Address:

1 Discovery Square, 655 Burrard Street  
Vancouver, BC V6C 2R7, Canada  
Tel: +1 604 683 1234 ; Fax: +1 604 689 3707

### LANGUAGE

The official language of the Congress is English.

### REGISTRATION DESK

The Registration Desk will operate as follows:

Friday, July 26, 2013	16:00 - 20:00 hours
Saturday, July 27, 2013	08:00 - 18:00 hours
Sunday, July 28, 2013	08:00 - 18:00 hours
Monday, July 29, 2013	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 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 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 – **in addition to first 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 26, 2013	18:30 - 20:00 hours
Saturday, July 27, 2013	10:00 - 17:00 hours
Sunday, July 28, 2013	10:00 - 17:00 hours
Monday, July 29, 2013	10:00 - 13:00 hours

### ATTENDANCE CERTIFICATES

A Certificate of Participation will be provided upon registration in your registration packet.

### GET-TOGETHER RECEPTION

Registered participants are invited to the Get-Together Reception, which will take place in the Exhibition and Poster Hall of the Congress in the Hyatt Regency Vancouver on Friday, July 26, 2013.

### FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Sunday, July 28, 2013 at 20:00. Tickets to the dinner are sold-out and are no longer available for purchase.

### 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 18th World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.

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18th World Congress on Heart Disease  
Annual Scientific Sessions 2013  
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## SOCIAL PROGRAM

### FRIDAY, JULY 26, 2013

GET - TOGETHER RECEPTION 18:30 – 20:00

Get-Together Reception in the in the Exhibition and Poster Hall of the Congress in the Hyatt Regency Vancouver on Friday, July 26, 2013.



### SUNDAY, JULY 28, 2013

20:00

FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Sunday, July 28, 2013 at 20:00.

Tickets to the dinner are sold-out and are no longer available for purchase.



## LIST OF EXHIBITORS

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

- **BOEHRINGER INGELHEIM PHARMACEUTICALS**  
900 Ridgebury Road  
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Ridgefield, CT, 06877, USA  
Tel: + 1 877 933 4310  
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Website: [us.boehringer-ingelheim.com](http://us.boehringer-ingelheim.com)

Products:

- Spiriva (Tiotropium Bromide) - treatment of C.O.P.D
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Fax: + 1 819 772 0416  
Website: [www.idealprotein.com](http://www.idealprotein.com)

The Ideal Protein Weight Loss Method is a medically designed 4-phase that can contribute to fat loss while supporting muscle mass. The protocol was developed in Europe over 25 years ago by Dr. Tran Tien Chanh, MD PhD, who focused his career and research on nutrition with a particular emphasis on the treatment of obesity and obesity related issues.

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E-mail: [mml@mayo.edu](mailto:mml@mayo.edu); Website: [MayoMedicalLaboratories.com](http://MayoMedicalLaboratories.com)

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Mayo Medical Laboratories has supported community-based laboratory medicine for more than 40 years, providing both complex testing and pathology consultation to more than 4,000 hospitals, clinics and laboratories in the United States and around the world.

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Thoratec is the world leader in mechanical circulatory support with the broadest product portfolio to treat the full range of clinical needs for patients suffering from advanced heart failure. The company's products include the HeartMate LVAS and Thoratec VAD, with more than 20,000 devices implanted in patients suffering from heart failure. Thoratec also manufactures and markets the CentriMag and PediMag / PediVAS product lines.





INTERNATIONAL ACADEMY OF CARDIOLOGY  
18th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2013  

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VANCOUVER, BC, CANADA, JULY 26 – 29, 2013

**SCIENTIFIC  
PROGRAM**  
SATURDAY, July 27, 2013

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## SATURDAY, JULY 27, 2013

09:00 – 10:15

Hall A

**OC:**

OPENING CEREMONY

Chair: **John A. Eleftheriades**, USA

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**John A. Eleftheriades**, USA

Chairman, Scientific Executive Committee

Chairman, Section of Cardiovascular Surgery

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Member, Scientific Executive Committee

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**Naranjan S. Dhalla**, Canada

Member, Scientific Executive Committee

Chairman, Section of Cellular Biology of the Heart

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Member, Scientific Executive Committee

International Academy of Cardiology

**Stephen L. Kopecky**, USA

Member, Scientific Executive Committee

International Academy of Cardiology

PRESENTATION OF 2013 AWARDS

**John A. Eleftheriades**, USA

**Jeffrey S. Borer**, USA

## SATURDAY, JULY 27, 2013

09:40 – 10:15

Hall A

### OPENING LECTURE – SEVENTH H.J.C. SWAN MEMORIAL LECTURE

Chair: **N.D. Wong**, Irvine, CA, USA

Abstract No.

09:40 INTRODUCTION  
**N.D. Wong**, Irvine, CA, USA

09:45 CVD IN WOMEN: A FRESH PERSPECTIVE (Invited Lecture) **292**  
**E.A. Amsterdam**, University of California, Davis Medical Center,  
Sacramento, CA, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 13:30

Hall A

PL01

### Plenary Session

### DISEASE MECHANISMS LEADING TO CARDIOMYOPATHY AND HEART FAILURE

Chairs: **K. Chatterjee**, Iowa, IA, USA  
**N.S. Dhalla**, Winnipeg, Canada

10:45 ADVANCES IN PATHOPHYSIOLOGY AND MANAGEMENT OF  
DIASTOLIC HEART FAILURE (Invited Lecture) **001**  
**K. Chatterjee**, University of Iowa, IA, USA

11:00 REVERSAL OF CARDIAC REMODELING IN HEART FAILURE BY-  
ADRENOCEPTOR BLOCKADE (Invited Lecture) **002**  
**N.S. Dhalla**, St. Boniface General Hospital Research Centre,  
Winnipeg, MN, Canada

11:15 AGING AND HEART FAILURE. UPDATE (Invited Lecture) **003**  
**B.I. Jugdutt**, University of Alberta and Hospitals, Edmonton, AB, Canada

11:30 MITOCHONDRIAL FISSION AND FUSION IN HEART FAILURE  
(Invited Lecture) **004**  
**A.A. Knowlton**, L. Chen, University of California, Davis, CA, USA

11:45 PERSONALIZED MEDICINE IN DILATED CARDIOMYOPATHY  
(Invited Lecture) **005**  
**L. Mestroni**, University of Colorado Cardiovascular Institute,  
Aurora, CO, USA

12:00 GENETIC EPIDEMIOLOGY OF LEFT VENTRICULAR HYPERTROPHY  
(Invited Lecture) **006**  
**J.N. Bella**, Bronx-Lebanon Hospital Center, Bronx, NY, USA

12:15 BLUNTED RESPONSES OF RENAL SYMPATHETIC NERVE  
ACTIVITY TO C-TYPE NATRIURETIC PEPTIDE IN THE PVN  
OF RATS WITH HEART FAILURE (Invited Lecture) **007**  
**K.P. Patel**, B. Xu, H. Zheng, University of Nebraska Medical Center,  
Omaha, NE, USA

## SATURDAY, JULY 27, 2013

		Abstract No.
<b>PL01</b>	<b>Plenary Session</b> <b>DISEASE MECHANISMS LEADING TO CARDIOMYOPATHY AND HEART FAILURE</b> <b>(continued)</b>	
12:30	TRANSCRIPTIONAL MECHANISMS LEADING TO DILATED CARDIOMYOPATHY IN THE ABSENCE OF HYPERTROPHY <b>B.S. Tuana</b> (Invited Lecture) University of Ottawa Heart Institute, Ottawa, Ontario, Canada.	008
12:45	CPT1b DEFICIENCY IS BAD FOR THE HYPERTROPHIED HEART (Invited Lecture) <b>Q. Yang</b> , University of Alabama at Birmingham, Birmingham, AL, USA	009
13:00	DELETION OF THE TRANSLATIONAL REPRESSORS EUKARYOTIC TRANSLATION INITIATION FACTOR 4E BINDING PROTEINS 1 AND 2 PROTECTS AGAINST PRESSURE OVERLOAD INDUCED HEART FAILURE (Invited Lecture) Z. Lu, X. Hu, Y. Huang, X. Xu, P. Zhang, M. Peterson, V.A. Polunovsky, N. Sonenberg, R.J. Bache, P.B. Bitterman, <b>Y. Chen</b> University of Minnesota, MN, USA	010
13:15	RESIDUAL MYOCARDIAL INJURY AND ATTENUATED PRODUCTION OF VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) IN PATIENTS WITH RECOVERED PERIPARTUM CARDIOMYOPATHY (PPCM) (Invited Lecture) <b>S. Goland</b> , L. Zilberman, I. Bar, S. Schwarzenberg, S. Shimoni, J. George Kaplan Medical Center, Rehovot, Israel	011
13:30	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	



## SATURDAY, JULY 27, 2013

10:45 – 13:00

Hall B

PL02	<b>Plenary Session</b> <b>CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION</b>	Abstract No.
	Chairs: <b>D.S. Berman</b> , Los Angeles, CA, USA <b>N.C. Nanda</b> , Birmingham, AL, USA	
10:45	NEWER ASPECTS OF EVALUATING LV FUNCTION BY ECHOCARDIOGRAPHY (Invited Lecture) <b>N.C. Nanda</b> , University of Alabama at Birmingham, AL, USA	012
11:00	FLURPIRIDAZ F 18 PET VERSUS TC-99M SPECT FOR MYOCARDIAL PERFUSION IMAGING (Invited Lecture) <b>D.S. Berman</b> , J. Maddahi Cedars-Sinai Medical Center; Los Angeles, CA, USA	013
11:15	USEFULNESS OF OPTICAL COHERENCE TOMOGRAPHY IN DAILY CLINICAL PRACTICE (Invited Lecture) <b>T. Akasaka</b> , T. Kubo, Y. Ino, T. Tanimoto, T. Yamagichi, T. Yamano, Wakayama Medical University, Wakayama, Japan	014
11:30	MYOCARDIAL STRAIN FOR THE ASSESSMENT OF LV FUNCTION (Invited Lecture) <b>S.F. Nagueh</b> , Methodist DeBakey Heart and Vascular Center, Houston, TX, USA	015
11:45	MYOCARDIAL VIABILITY AND OUTCOMES IN ISCHEMIC CARDIOMYOPATHY (Invited Lecture) <b>J. Shirani</b> , St. Luke's Hospital and Health Network, Bethlehem, PA, USA	017
12:00	NOVEL USES OF CARDIAC MRI FOR NON-ISCHEMIC HEART DISEASE (Invited Lecture) <b>R.W.W. Biederman</b> , Temple University School of Medicine, Carnegie Mellon University, Pittsburgh, PA, USA	018
12:15	NON-INVASIVE CARDIOVASCULAR IMAGING FOR EVALUATION OF CORONARY ARTERY BYPASS GRAFT DISEASE (Invited Lecture) <b>A. Elhendy</b> , Marshfield Clinic, Marshfield, WI, USA	019
12:30	PROGNOSTIC VALUE OF STRESS ECHOCARDIOGRAPHY IN PATIENTS WITH CORONARY ARTERY DISEASE (Invited Lecture) <b>M. Prokudina</b> , I. Konstantinov, P. Kozlov, P. Mochalov, E. Bobrova, E. Karev, Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia	020
12:45	OPTICAL COHERENCE TOMOGRAPHY (OCT): WHAT YOU NEED TO KNOW (Invited Lecture) <b>J.A. Garcia</b> , Denver Health Medical Center (DHMC) and University of Colorado Hospital at Denver, Denver, CO, USA	021
13:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

## SATURDAY, JULY 27, 2013

10:45 – 13:00

Hall C

S21

**Session**

**VALVULAR HEART DISEASE / CONGENITAL HEART DISEASE /  
PEDIATRIC CARDIOLOGY**

	Chairs:	<b>D.H. Heistad</b> , Iowa City, IA, USA <b>J. Ye</b> , Vancouver, BC, Canada	Abstract No.
10:45	VALVE PROSTHESIS-PATIENT MISMATCH (VP-PM): A LONG-TERM PERSPECTIVE S.D. Daneshvar, <b>S.H. Rahimtoola</b> University of Southern California, Los Angeles, CA, USA		022
11:00	COMPARISON OF DIFFERENT SURGICAL APPROACHES IN PATIENTS WITH TRANSPOSITION OF THE GREAT ARTERIES C. Junge, M. Westhoff-Bleck, S. Schoof, F. Danne, S. Geyer, J.A. Seabrook, R Buchhorn, G. Ziemer, A. Wessel, <b>K. Norozi</b> Western University, London, ON, Canada		023
11:15	DETERMINATION OF RECURRENT TACHYCARDIA FOLLOWING SUCCESSFUL ABLATION IN SUBJECTIVELY SYMPTOMATIC CHILDREN <b>P.P. Karpawich</b> , D.P. Bhat, W. Du The Children's Hospital of Michigan, Wayne State University, Detroit, MI, USA		024
11:30	RELATION OF ECHOCARDIOGRAPHIC AORTIC VALVE SCLEROSIS TO VALVULAR CALCIFICATION ON MULTISLICE COMPUTED TOMOGRAPHY <b>L.H. Chebrolu</b> , Y.R. Acharya, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA		025
11:45	ACQUIRED VON-WILLEBRAND DISEASE SECONDARY TO MITRAL AND AORTIC REGURGITATION <b>S.H. Wan</b> , J.J. Liang, R. Vaidya, J.L. Blackshear, D. Chen Mayo Clinic, Rochester, MN, USA		026
12:00	LEFT-RIGHT-LEFT, LEAD PLACEMENT ERRORS IN PEDIATRIC ELECTROCARDIOGRAPHY J. Kleinman, E. Stockwell, J. Burrell, S. Darwin, <b>C. Snyder</b> , Case Western Reserve University School of Medicine, Cleveland, OH, USA		028
12:15	A SILENT PRESENTATION OF A SERIOUS ILLNESS: INFECTIVE ENDOCARDITIS <b>A. Hamadah</b> , S. Sadaranagani, E. Berbari, Mayo Clinic, Rochester, MN, USA		029
12:30	ANY DEGREE OF MITRAL REGURGITATION FOUND DURING INVASIVE VENTRICULOGRAPHY IS ASSOCIATED WITH ALL CAUSE MORTALITY <b>M.R. Movahed</b> , K. Lata, University of Arizona, Tucson, AZ, USA		030

## SATURDAY, JULY 27, 2013

<b>S21</b>	<b>Session</b> <b>VALVULAR HEART DISEASE / CONGENITAL HEART DISEASE / PEDIATRIC</b> <b>CARDIOLOGY (continued)</b>	Abstract No.
12:45	PREDICTORS OF CARDIAC RELATED MORTALITY AFTER AVR FOR DEGENERATIVE AS IN NORMAL EJECTION FRACTION <b>H.M. Lee</b> , P.Y. Park, Y.T. Lee, W.S. Kim, K. Sung, D.S. Jeong Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea	031
13:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	
<hr/> <b>10:45 – 13:45</b>		<b>Hall D</b>
<b>S22</b>	<b>Session</b> <b>ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK /</b> <b>MODIFICATION OF LIPOPROTEINS</b>	
	Chairs: <b>E.A. Amsterdam</b> , Sacramento, CA, USA <b>V. Regitz-Zagrosek</b> , Berlin, Germany	
10:45	GENDER DIFFERENCES IN ARTERIOTOMY CLOSURE AND TREATMENT FOR PERCUTANEOUS CORONARY INTERVENTIONS: RESULTS FROM A NATIONAL, MULTI-SITE CLINICAL REGISTRY OF 59,000 PATIENTS <b>D.R. Dobies</b> , K.R Barber, A.L. Cohoon Genesys Regional Medical Center, Grand Blanc, MI, USA	033
11:00	ADVANCED LIPID TESTING PREDICTS SUBCLINICAL ATHEROSCLEROSIS IN LOW RISK POPULATION BEYOND TRADITIONAL RISK FACTORS <b>P. Krishnamoorthy</b> , D. Rader, M.P. Reilly, N.N. Mehta Englewood Hospital and Medical Center, Englewood, NJ, USA	034
11:15	IMPACT OF CONTINUOUS POSITIVE AIRWAY PRESSURE THERAPY ON NON-HDL AND TOTAL CHOLESTEROL IN OSA PATIENTS A. Kumar, <b>A.A. Almomani</b> , S. Pilli, R.K. Shah, A. Aljaafareh, S.K. Onguti, M. Alghrouz, W.I. Khalife, A.R. Al Emam, S. Jokhio University of Texas Medical Branch, Galveston, TX, USA	035
11:30	PHYSICIAN-PROVIDED LIFESTYLE MODIFICATION COUNSELING FOR HYPERLIPIDEMIA – DOES IT HELP? R.S. Loomba, S. Aggarwal, N. Gupta, S. Khosla, <b>R.R. Arora</b> Children’s Hospital of Wisconsin, Wauwatosa, WI, USA	036



## SATURDAY, JULY 27, 2013

S22	Session	Abstract No.
	<b>ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS (continued)</b>	
11:45	UTILITY OF AMBULATORY BP MONITORING IN A CARDIAC PREVENTION AND REHABILITATION PROGRAMME <b>M. Mahmood</b> , S.B Connolly Bangabandhu Sheikh Mujib Medical University, Bangladesh	037
12:00	ARTIFICIAL INTELLIGENCE MODEL OF CARDIOVASCULAR RISK IN RENAL DISEASE OUTLINES CAROTID MARKERS <b>O. Sandu</b> , I. Nastac, J. Uribarri Albert Einstein College of Medicine, NY; USA	038
12:15	PLANT STEROLS AND CARDIOVASCULAR DISEASE: A SYSTEMATIC REVIEW AND META-ANALYSIS <b>B. Genser</b> , G. Silbernagel, G. De Backer, E. Bruckert, R. Carmena, M.J. Chapman, J. Deanfield, O.S. Descamps, E.R. Rietzschel, W. Maerz Medical Faculty Mannheim, University of Heidelberg, Heidelberg, Germany	039
12:30	COMPARISON OF CLINICAL CHARACTERISTICS, OUTCOME AND MORTALITY IN SYMPTOMATIC PATIENTS WITH AND WITHOUT LEFT BUNDLE BRANCH BLOCK <b>F.A. Alkindi</b> , A.M Arabi, A.A. Patel, J. Alsuwaidi, A. Gehani , R. S Singh, H. Albinali Hamad Medical Corporation, Doha ,Qatar	040
12:45	BRAIN NATRIURETIC PEPTIDE AS A PREDICTOR OF ADVERSE CARDIAC EVENTS AFTER SUCCESSFUL PERCUTANEOUS CORONARY INTERVENTIONS IN PATIENTS WITH ACUTE CORONARY SYNDROME <b>Y.Y. Abdelmonem</b> , S. Awni, A. Kaddah, Y. Yazeed, Kasr Alaini Medical School, Cairo, Egypt	041
13:00	USING CHADS2 SCORE TO IDENTIFY ELDERLY PATIENTS WITH ATRIAL FIBRILLATION <b>M.H. Kwok</b> , S. Punekar University of Manchester, Manchester, UK	042
13:15	TRENDS IN CARDIOVASCULAR DISEASE IN ETHIOPIA: A 30-YEAR RETROSPECTIVE ANALYSIS OF MEDICAL-ICU ADMISSIONS C. Smitson, A. Giday, S. Zaeh, E. Weldeyes, <b>J. O'Mara</b> Yale University, New Haven, CT, USA	043
13:30	FENOFIBRATE THERAPY IN PATIENTS WITH HYPERTRIGLYCERIDEMIA HAS SUBSTANTIAL BENEFITS OVER OMEGA-3 FATTY ACIDS <b>K.K. Koh</b> Gachon University Gil Medical Center, Incheon, Korea	032
13:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

## SATURDAY, JULY 27, 2013

08:00 – 13:00

Poster Hall

### **P101 GENETIC DETERMINANTS OF HEART DISEASE, GENE AND CELL BASED THERAPIES, BASIC RESEARCH**

Board No.

Abstract No.

- 1 SYSTEMIC INVOLVEMENT OF CONNECTIVE TISSUE AS PREDICTOR OF CARDIOMYOPATHY IN MITRAL VALVE PROLAPSE AND MARFANOID HABITUS  
E.V. Zemtsovsky, A.L Korshunova, E.G. Malev, E.B. Luneva,  
**M. Prokudina**, State Pediatric Medical University, St. Petersburg, Russia 044

### **P102 BIOCHEMICAL MARKERS FOR RISK ASSESSMENT IN CARDIOVASCULAR DISEASE**

- 2 SCREENING AND IDENTIFICATION OF NOVEL BIOMARKERS FOR EARLY DIAGNOSIS OF ACUTE CORONARY  
**K. Feng**, H. Xia, J. Zhang, Yi Shan, L.F Liu, H.J Song, X.D Fan, L. Qiao, S. Jin, H.J Lu  
Center for Experimental Medicine, 306 Hospital of PLA, Beijing, China 045

- 3 MATRIX METALLOPROTEASES, CHITOTRIOSIDASE AND CYSTATIN C IN LONG-TERM STUDY OF PATIENTS AFTER CARDIOSURGERY  
**T.A. Korolenko**, M.S. Cherkanova, T.P. Gerasimova, T.P Korolenko  
Institute of Physiology SB RAMS, Novosibirsk, Russia 046

- 4 CORRELATION BETWEEN ADIPONECTIN PLASMA LEVELS AND CORONARY ARTERY DISEASE  
A. Xanthopoulos, M. Skoura, T. Kouna, **E. Paraskevopoulou**, P. Paraskevopoulou, S. Patsilinakos  
Konstantopouleio General Hospital, N.Ionia, Athens, Greece 047

- 5 RELATION OF SERUM CALCIUM LEVEL WITH METABOLIC RISK FACTORS AND CORONARY ARTERY DISEASE IN AFRICAN AMERICAN  
**H.R. Patel**, A. Balachandran, C. Nedelcu, J. Warman  
The Brooklyn Hospital Center, affiliate NY Presbyterian Hospital, Cornell University, New York, NY, USA 048

### **P103 THE PLAQUE AND ACUTE CORONARY SYNDROMES**

- 6 ANGIOGRAPHIC AND ECHOCARDIOGRAPHIC ASSOCIATIONS IN OLDER ADULTS WITH FRAILITY AND CORONARY ARTERY DISEASE  
**S.M. Gharacholou**, V.L. Roger, R.J .Lennon, C.S. Rihal, S.V. Pislaru, M. Singh, Mayo Clinic Health System, La Crosse, WI, USA 049

- 7 CLINICAL SIGNIFICANCE OF CORONARY ARTERY DISEASE IN STRESS INDUCED CARDIOMYOPATHY  
**A. Chau**, P. Krumenacher, D. Matel-Anderson, R. Siegel, Y. Muirhead, S. Park, H. Kim, S. Park, D. Kim, B. Choi  
Medical College of Wisconsin, Milwaukee, WI, USA 050

## SATURDAY, JULY 27, 2013

08:00 – 13:00

Poster Hall

### P103 THE PLAQUE AND ACUTE CORONARY SYNDROMES (continued)

Board No. Abstract No.

8 TYPES OF MENTAL STRESS IN STRESS INDUCED CARDIOMYOPATHY **051**  
**A. Chau**, P. Krumenacher, D. Matel-Anderson, R. Siegel, Y. Muirhead, S. Park, H. Kim, S. Park, D. Kim, B. Choi  
Medical College of Wisconsin, Milwaukee, WI, USA

9 MYOCARDIAL STUNNING IN HEMODIALYSIS PATIENTS: "A SILENT OVERLOOKED INSULT" **052**  
**P. Loarte**, S.Y. Chou, R. Cohen, B. Mirrer  
Brookdale University Hospital and Medical Center - Nephrology Division

### P104 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY

10 PATTERN OF ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION IN CHRONIC QAT CHEWERS IN YEMEN **053**  
**Y.Y. Abdelmonem**, N.S. ELdin, A. Abdelwahab, W. Alaroussy  
Kasr Alaini Medical School, Cairo, Egypt

11 REVIEW OF TROPONINS ORDERS, EVIDENCE OF TYPE I MYOCARDIAL INFARCTION AND CARDIOLOGY CONSULTS IN A US COMMUNITY HOSPITAL **055**  
**B.H. Subedi**, S. Zakaria, J. Rickard  
Greater Baltimore Medical Center, Baltimore, MD, USA

12 DIFFERENT CLINICAL MEANINGS OF PRE AND POST-PROCEDURAL TIMI FLOW IN PATIENTS WITH NON-ST SEGMENT ELEVATION MYOCARDIAL INFARCTION UNDERGOING PERCUTANEOUS CORONARY INTERVENTION **056**  
**W.Y. Lee**, J.Y. Baek  
Cheong-Ju Saint Mary's Hospital, Cheong-Ju, South Korea

13 DIAGNOSTIC YIELD OF RIGHT AND POSTERIOR ELECTROCARDIOGRAPHIC LEADS IN EGYPTIANS WITH ACUTE CORONARY SYNDROME **057**  
**H.S. Taha**, A.A. Elfaramawi, A.M. Nasr  
Faculty of Medicine, Cairo University, Cairo, Egypt

14 ST ELEVATION IN LEAD AVR AS AN INDICATOR OF EARLY ADVERSE EVENTS IN PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION **058**  
**M. Mousavi**, S. Kalhor, J. Tahmasbi  
Alborz University of Medical Sciences, Karaj, Iran

15 CHARACTERISTICS OF ACUTE MYOCARDIAL INFARCTION WITH MILD CAROTID ARTERIOSCLEROSIS **059**  
T. Sakurai, K. Sasaki, T. Tabata, T. Kon, J. Suzuki, T. Matsubara, E. Matsubara, T. Tomaru, **Y. Minami**  
Toho University Medical Center Sakura Hospital, Sakura, Japan

## SATURDAY, JULY 27, 2013

08:00 – 13:00

Poster Hall

### P105 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL

Board No.		Abstract No.
16	EARLY DIASTOLIC AND SYSTOLIC ABNORMALITIES IN PATIENTS WITH DIABETES MELLITUS AND NORMAL EJECTION FRACTION: A 2D STRAIN ECHOCARDIOGRAPHY STUDY <b>V. Di Bello</b> , L. Conte, I. Fabiani, C. Cucco, R. Liga, V. Barletta, C. Bianchi, R. Miccoli, G. Delle Donne, M. Mariani University of Pisa, Pisa, PI, Italy	060
17	THE EFFECT OF SITAGLIPTIN THERAPY COMPARED WITH PIOGLITAZONE IN HEART FAILURE PATIENTS WITH TYPE 2 DIABETES <b>T. Naka</b> , T Ariei, K Takahashi, M Masutani, T Masuyama, M Ohyanagi Hyogo College of Medicine, Nishinomiya, Japan	061
18	THE OBESITY PARADOX IN PATIENTS WITH ACUTE CORONARY SYNDROME: RESULTS FROM THE GULF RACE-2 STUDY <b>A. Shehab</b> , B. Al-Dabbagh, N. Nagelkerke, A. Abdulle Department of Internal Medicine, College of Medicine, UAE University	062
19	ULTRASOUND STUDY OF ARTERIES OF LOWER LIMBS IN PATIENTS WITH TYPE 2 DIABETES G.A. Rozikhodjaeva, N.D. Ahmedova, Z.T. Ikramova, <b>Z.A. Usmanova</b> Central Clinical Hospital 1, Tashkent, Uzbekistan	063
20	A COMPARISON OF THE PREVALENCE OF THE MS AND ITS COMPLICATIONS USING THREE PROPOSED DEFINITIONS IN KOREAN SUBJECTS <b>K.C. Sung</b> , B.S. Kim Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea	064

## SATURDAY, JULY 27, 2013

08:00 – 13:00

Poster Hall

### P106 ELECTROPHYSIOLOGY AND ABLATION THERAPY

Board No.		Abstract No.
21	A NOVEL CRYOMAPPING TECHNIQUE FOR AVNRT HAS A BETTER RECURRENCE AND SAFETY PROFILE THAN RFA P.L.S. Eryazici, J. Chavez, F.D. Ciftci, <b>O.J. D'Silva</b> , M.A. Turner, J. Nazari, S. Shah, M. Razminia, T. Zheutlin, R.F. Kehoe Advocate Illinois Masonic Medical Center, Chicago, IL, USA	065
22	OUTCOME OF RIGHT ATRIAL FLUTTER ABLATION IN PATIENTS WITH CARDIAC RESYNCHRONIZATION DEVICES <b>A. Bhatia</b> , F. Mehmood, A. Agarwal, I. Choudhuri, J. Sra Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, Wisconsin, USA	067
23	COMPLICATIONS OF PERCUTANEOUS EPICARDIAL ACCESS UNDER CONSCIOUS SEDATION VERSUS GENERAL ANESTHESIA <b>A.M. Killu</b> , S.H. Wan, T.M. Munger, D.O. Hodge, S. Mulpuru, S.J. Asirvatham, D.L. Packer, P.A. Friedman Mayo Clinic, Rochester, MN, USA	068
24	AN UNUSUAL ABLATION LOCATION FOR OBTAINING COMPLETE HEART BLOCK IN A PATIENT WITH DRUG REFRACTORY ATRIAL TACHYARRHYTHMIA AND BASELINE BIFASCICULAR BLOCK <b>M.S. McKillop</b> , M. Panna, T. Burkart, J. Conti, W.M. Miles University of Florida, Gainesville, FL, USA	069
25	SUBCLINICAL UNEXPECTED CENTRAL VENOUS OCCLUSION IN THE ELECTROPHYSIOLOGY LABORATORY: CASE SERIES <b>J.E. Banchs</b> , G.A. Baquero, T. Moukabary, S.J. Ferns, E.D. Penny-Peterson, S.M. Samii Penn State Hershey Heart & Vascular Institute, Hershey, PA, USA	070
26	AV NODE ABLATION AND CARDIAC RESYNCHRONIZATION THERAPY IN PATIENTS WITH PERMANENT ATRIAL FIBRILLATION <b>M. Moghaddam</b> , N. Moghaddam, B. Moghaddam, A. Bagher Zadeh Jam Hospital, Tehran, Iran	071

## SATURDAY, JULY 27, 2013

08:00 – 13:00

Poster Hall

### P107 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME

Board No.		Abstract No.
27	<p>OBESITY PREDICTS LEFT VENTRICULAR DIASTOLIC DYSFUNCTION IN HEALTHY MIDDLE AGE ADULTS WITH NO CARDIOVASCULAR RISK FACTORS <b>A. Pandit</b>, F. Mookadam, A. Aryal, S. Boddu, A. Tandar, H. Chaliki, S. Cha, H. Lee, Mayo Clinic, Arizona, USA</p>	072
28	<p>THE RELATIONSHIP OF PLATELET COUNTS AND PLATELET INDICES TO CLINICAL OUTCOMES IN PATIENTS WITH CHRONIC HEART FAILURE <b>J. Gorthi</b>, A. Akinapalli, M. Bengaluru, V. Kandasamy, A. Kaja, S. Vallabhajosyula, V. Alla, A. Mooss, C. Hunter Creighton University Medical Center, Omaha, NE, USA</p>	074
29	<p>SELF-CARE AND ASSOCIATED FACTORS IN PATIENTS WITH CHRONIC HEART FAILURE IN KERMANSHAH, IRAN <b>S. Siabani</b>, S.R. Leeder, P.M. Davidson, B. Hamzeh, D. Hercz Sydney Medical School, the University of Sydney, NSW, Australia and Kermanshah University Medical Sciences (KUMS), Kermanshah, Iran</p>	075
30	<p>BARRIERS AND FACILITATORS TO SELF-CARE IN PATIENTS WITH CHRONIC HEART FAILURE: A REVIEW OF QUALITATIVE STUDIES <b>S Siabani</b>, S.R. Leeder, P.M. Davidson Menzies Center for Health Policy Medical School, The University of Sydney, NSW, Australia</p>	076
31	<p>DESCRIPTIVE PROFILE OF RESOURCES UTILIZATION AMONG HEART FAILURE PATIENTS AT KAH, EASTERN PROVINCE, SAUDI ARABIA <b>S. Hassanien</b>, A. Jelan, M. Al Qaseer, E. Gaber, B. Jugdutt King Saud bin Abdul Aziz University, Saudi Arabia</p>	077
32	<p>CHARACTERISTICS OF RESOURCES UTILIZATION AMONG MALE AND FEMALE HEART FAILURE PATIENTS AT KAH, EASTERN PROVINCE, SAUDI ARABIA S. Hassanein, <b>A. Jelani</b>, E. Gaber, M. Al Qaseer, S. Hattingh, B. Jugdutt King Saud bin Abdulaziz University for Health Sciences, Al Ahsa, Saudi Arabia</p>	078

## SATURDAY, JULY 27, 2013

14:00 – 16:00

Hall A

PL03

Plenary Session

### PREVENTION OF CARDIOVASCULAR DISEASE: ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK

*Joint Session with the American Society for Preventive Cardiology*

Chairs: **S.L. Kopecky**, Rochester, MN, USA

**N.D. Wong**, Irvine, CA, USA

Abstract No.

14:00	SEX DIFFERENCES IN CARDIOVASCULAR DISEASE (Invited Lecture) <b>V. Regitz-Zagrosek</b> , Center for Cardiovascular Research (CCR) Coordinator Berlin, German	079
14:15	THE ASSOCIATION BETWEEN DEPRESSION AND DIABETES (Invited Lecture) <b>E. Barrett-Connor</b> , UCSD Dept. of Family and Preventive Medicine, La Jolla, CA, USA	080
14:30	ALDOSTERONE - A BRIDGE BETWEEN CARDIOVASCULAR AND MOOD DISORDERS? (Invited Lecture) <b>D. Jezova</b> , N. Hlavacova, Slovak Academy of Sciences, Bratislava, Slovak Republic	081
14:45	HDL AND THE ATHEROSCLEROSIS - MYTH OR REALITY (Invited Lecture) <b>R.S. Rosenson</b> , Mount Sinai Heart Mount Sinai School of Medicine, New York, NY, USA	082
15:00	OMEGA-3 SUPPLEMENTATION IMPROVES ARTERIAL STIFFNESS AND BIOMARKERS OF CV RISK IN LATINO AND WHITE PATIENTS WITH HYPERTENSION SERVED BY A SAFETY-NET HEALTHCARE SYSTEM (Invited Lecture) <b>C.S. Long</b> , M.J. Krantz, University of Colorado Health Sciences Center and Denver Health Medical Center, Denver, CO, USA	083
15:15	USE OF NMR LDL LIPOPROTEIN PARTICLE ANALYSIS IN CARDIOVASCULAR DISEASE PREVENTION (Invited Lecture) <b>S.L. Kopecky</b> , Mayo Clinic, Rochester, MN, USA	084
15:30	IMPACT OF RENAL SYMPATHETIC DENERVATION IN PATIENTS WITH DRUG RESISTANT HYPERTENSION (Invited Lecture) <b>K. Seidl</b> , Klinikum Ingolstadt GmbH, Ingolstadt, Germany	085
15:45	BEYOND HDL CHOLESTEROL: WHAT CAN WE LEARN FROM HDL PARTICLE NUMBER AND SIZE? <b>S. Mora</b> , Brigham and Women's Hospital, Boston, MA, USA	087
16:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

## SATURDAY, JULY 27, 2013

14:00 – 16:15

Hall B

PL04

### Plenary Session

### SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY

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

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:00 | IMPACT OF DENERVATED MYOCARDIUM ON IMPROVING RISK STRATIFICATION FOR SUDDEN CARDIAC DEATH (Invited Lecture)<br><b>M.E. Cain</b> , University at Buffalo, Buffalo, NY, USA   | 088 |
| 14:15 | THE ROLE OF ELECTROPHYSIOLOGIC TESTING ON OUTCOME IN PATIENTS WITH ARVC (Invited Lecture)<br><b>F. Duru</b> , University Hospital of Zurich, Switzerland  | 090 |
| 14:30 | ROBOTICS IN THE EP LABORATORY: PROMISE, REALITY AND FUTURE DIRECTIONS (Invited Lecture)<br><b>E. Gang</b> , David Geffen School of Medicine at UCLA, Los Angeles, CA, USA   | 091 |
| 14:45 | BIVENTRICULAR PACING FOR ATRIOVENTRICULAR BLOCK AND SYSTOLIC DYSFUNCTION (Invited Lecture)<br><b>A.B. Curtis</b> , S.J. Worley, P.B. Adamson, E.S. Chung, I. Niazi, L. Sherfese, T. Shinn, M. St. John Sutton, University of Buffalo, NY, USA       | 092 |
| 15:00 | IN THE OR.V. THE EP LAB--WHERE IS THE BEST LOCATION FOR LEAD EXTRACTION (Invited Lecture)<br><b>C.A. Henrikson</b> , Oregon Health & Science University, Portland, OR, USA  | 094 |
| 15:15 | CATECHOLAMINERGIC POLYMORPHIC VENTRICULAR TACHYCARDIA: THE CLINICIAN'S PERSPECTIVE (Invited Lecture)<br><b>M.J. LaPage</b> , University of Michigan, Ann Arbor, MI, USA   | 095 |
| 15:30 | GENETIC BACKGROUND, CLINICAL CHARACTERISTICS, AND TREATMENT OF EARLY REPOLARIZATION SYNDROME (Invited Lecture)<br><b>H. Watanabe</b> , Niigata University Graduate School of Medical & Dental, Asahimachidori, Japan                                | 096 |
| 15:45 | THE EVOLUTION OF THE PACING SITE: PAST, PRESENT AND FUTURE (Invited Lecture)<br><b>Y. Oginosawa</b> , University of Occupational and Environmental Health, Yahatanishi, Kitakyushu, Japan   | 097 |
| 16:00 | A BLOOD TEST TO PREDICT ARRHYTHMIC RISK<br>G. Gao, V. Brahmanandam, M. Raicu, L. Gu, A. Shah, S. Negi, M. Wood, A. Tautoles, A. Schwartz, <b>S.C. Dudley</b><br>University of Illinois at Chicago, and the Jesse Brown VAMC, Chicago, Illinois, USA | 098 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |



## SATURDAY, JULY 27, 2013

14:00 – 16:00

Hall C

S23

Session

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

Chair: **M.R. Johnson**, Madison, WI, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | HOSPITAL READMISSIONS IN OUTPATIENTS SUPPORTED WITH CONTINUOUS FLOW LEFT VENTRICULAR ASSIST DEVICES<br><b>D. Zhang</b> , J. Shuster, H. Craddock, N. Huelsmann, S. Silvestry, S. Joseph, Barnes Jewish Hospital/Washington University School of Medicine, Saint Louis, MO, USA                             | 099 |
| 14:15 | MULTIPLE ARTERIAL GRAFTS IMPROVE LATE SURVIVAL OF PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFTING<br><b>C. Leiker Locker</b> , H.V. Schaff, J.A. Dearani, L.D. Joyce, S.J. Park, H.M. Burkhart, R.M. Suri, K.L. Greason, J.M. Stulak, R.C. Daly Mayo Clinic, Rochester, MN, USA                        | 100 |
| 14:30 | PREDICTORS OF ACUTE CELLULAR REJECTION AND ITS ASSOCIATION WITH CARDIAC ALLOGRAFT VASCULOPATHY IN HEART TRANSPLANT PATIENTS<br><b>W.I Khalife</b> , R.P. Vivo, S. Garikipati, P. Nalabothu, S. Johnson, K. Kislingbury, R. Sharif, A. Charif University of Texas Medical Branch, Galveston, TX, USA        | 101 |
| 14:45 | REDUCTION IN LV SIZE AFTER LVAD IMPLANTATION IS ASSOCIATED WITH REDUCTION IN QRS VOLTAGE AND DURATION<br><b>M.G. Sendra Ferrer</b> , J.E. Banchs, T. Moukabary, S. Ferns, E.D. Penny-Peterson, S.M. Samii, D.L. Wolbrette, G.V. Naccarelli, M.D. Gonzalez, Pennsylvania State University, Hershey, PA, USA | 102 |
| 15:00 | CUSTODIOL-N VERSUS CUSTODIOL: A PROSPECTIVE RANDOMIZED DOUBLE BLIND MULTICENTER PHASE III TRIAL<br><b>G. Szabo</b> , A. Weymann, B. Schmack, D. Badowski, G. Veres, M. Karck University of Heidelberg, Heidelberg, Germany   | 104 |
| 15:15 | LOW INCOME IS AN INDEPENDENT PREDICTOR OF IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS: A NATIONWIDE INPATIENT SAMPLE STUDY<br><b>A. Rab</b> , M. Mujib, S. Khera, D. Kolte, C. Palaniswamy, W.S. Aronow Stony Brook University, Stony Brook, NY, USA   | 105 |
| 15:30 | IMPACT OF POSTTRANSPLANT WEIGHT GAIN ON CARDIAC ALLOGRAFT VASCULOPATHY<br>G. Hoefle, C.H. Saely, M. Martinelli, B. Meier, T. Carrel, M. Seitz, P.M. Villiger, <b>P. Mohacsi</b> , Inselspital, Bern, Switzerland   | 106 |
| 15:45 | SUCCESSFUL USE OF IMPELLA 2.5 DEVICE IN CARDIAC ARREST DUE TO LEFT MAIN STENOSIS<br><b>M.A Zulfarnain</b> , N. Nagajothi, Canton Medical Education Foundation, Canton, OH, USA   | 107 |
| 16:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SATURDAY, JULY 27, 2013

14:00 – 16:45

Hall D

S24

Session

**MOLECULAR CARDIOLOGY, BASIC RESEARCH**

Chair: **J.G. Filep**, Montreal, QC, Canada  
**K.N. Pandey**, New Orleans, LA, US

Abstract No.

- 14:00 THE ROLE OF GALECTIN-3 AND CONNECTIVE TISSUE GROWTH FACTORS IN HYPERTENSIVE PATIENTS WITH DIASTOLIC HEART FAILURE: LINK OF CLINICAL AND BASIC STUDIES **108**  
**J-J Chen**, W-R Hao, C-K Wu, K-C Chang, J-C Liu, C-T Tsai  
China Medical University, Taichung, Taiwan
- 14:15 CARDIOMYOCYTE-CARDIAC FIBROBLAST INTERACTION IN THE PATHOGENESIS OF DIABETIC CARDIOMYOPATHY - ROLE OF HMGB1/TLR4/IL-33 AXIS **109**  
X.M. Xu, J.C. Zhang, H. Xu, R. Kao, C.M. Martin, **T. Rui**  
Lawson Health Research Institute, London, ON, Canada
- 14:30 DOXORUBICIN-INDUCED CARDIOTOXICITY IN MICE IS PREVENTED BY LATE INA INHIBITION WITH RANOLAZINE, WITH IMPROVEMENT IN HEART FUNCTION, FIBROSIS AND APOPTOSIS **110**  
C. Coppola, G. Piscopo, C. Cipresso, D. Rea, C. Maurea, E. Esposito, C.G. Tocchetti, C. De Lorenzo, C. Arra, **N. Maurea**  
National Cancer Institute Pascale Foundation, Naples, Italy
- 14:45 ATORVASTATIN INDUCES AUTOPHAGY OF MESENCHYMAL STEM CELLS UNDER HYPOXIA AND SERUM DEPRIVATION VIA MEK/ERK PATHWAY **111**  
**N. Li**, Q. Zhang, C. Jin, H.Y. Qian, Q.T. Dong, H. Xu, H. Zhang, Y.J. Yang  
Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China
- 15:00 EXCITABILITY OF DIRECT REPROGRAMMED MURINE TAIL FIBROBLASTS: BETWEEN WILD-TYPE FIBROBLASTS AND CARDIOMYOCYTES **112**  
**M. Rav Acha**, R.Mills, J.X. Chen, S.M. Wu, D. Milan  
Massachusetts General Hospital, Charlestown, MA, USA
- 15:15 IMPORTANCE OF SLMAP IN CARDIOMYOCYTE VIABILITY AND MEMBRANE FUNCTION **113**  
**A. Mahmood**, M. Salih, B.S, Tuana  
University of Ottawa, Ottawa, ON, Canada
- 15:30 GLIVEC (IMATINIB MESYLATE) INDUCES AUTOPHAGIC SIGNALLING IN CARDIAC MYOCYTES **114**  
**L.P. Grazette**, R. Kerkela, T. Force, A. Rosenzweig  
Keck Medical Center of USC, Los Angeles, CA, USA
- 15:45 CARDIOMYOCYTE-SECRETED ACETYLCHOLINE IS REQUIRED FOR MAINTENANCE OF HOMEOSTASIS IN THE HEART **115**  
**A. Roy**, W.C. Fields, C. Rocha-Resende, R.R. Resende, S. Guatimosim, V.F. Prado, R. Gros, M.A. Prado  
Robarts Research Institute, London, Ontario, and  
The University of Western Ontario, London, Canada

## SATURDAY, JULY 27, 2013

S24

Session

**MOLECULAR CARDIOLOGY, BASIC RESEARCH (continued)**

Abstract No.

- 16:00 UTILITY OF 2D-SPECKLE TRACKING ECHOCARDIOGRAPHY IN DIAGNOSIS OF LEFT VENTRICULAR DYSFUNCTION IN ANTI-ERBB2 THERAPY 116  
C. Coppola, G. Piscopo, C. Cipresso, D. Rea, C. Maurea, C. Quintavalle, C.G. Tocchetti, G. Condorelli, C. Arra, **N. Maurea**  
National Cancer Institute Pascale Foundation, Naples, Italy
- 16:15 HMG-COA REDUCTASE INHIBITORS IMPAIR SURVIVAL OF HUMAN MESENCHYMAL STEM CELLS VIA NF-B SIGNALING 117  
A.L. Muller, Y. Li, M.A. Ngo, K. Sran, **R.C. Arora**, L.A. Kirshenbaum, D.H. Freed  
St. Boniface Research Centre; University of Manitoba, Winnipeg, Canada
- 16:30 TETRAHYDROBIOPTERIN DEFICIENCY INDUCED HEART FAILURE VIA DYSREGULATION OF MITOCHONDRIAL BIOGENESIS, OXIDATIVE PHOSPHORYLATION AND ANTIOXIDANT SYSTEM 118  
H.K. Kim, I-S. Song, N. Kim, K.S. Ko, B.D. Rhee, **J. Han**  
Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea



## SATURDAY, JULY 27, 2013

16:45 – 19:15

Hall A

PL05

### Plenary Session

### INFLAMMATION / INNATE AND ADOPTIVE IMMUNITY AND CARDIOVASCULAR DISEASES

*Joint Session with the American College of Cardiology / California Chapter*

Chair: **R. Roberts**, Ottawa, ON, Canada

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | INFLAMMATION - THE NEW TARGET FOR PREVENTION OF CORONARY ARTERY DISEASE (Invited Lecture)<br><b>R. Roberts</b> , University of Ottawa Heart Institute, Ottawa, ON, Canada   | 119 |
| 17:00 | SEPSIS AND THE CARDIOVASCULAR SYSTEM: GOING TO THE HEART OF THE MATTER (Invited Lecture)<br><b>M.A. Rossi</b> , L.M Malvestio, M.R. Celes, V. Blefari, C.M. Prado, M.J. Figueiredo, University of Sao Paulo. Brazil   | 120 |
| 17:15 | NEUTROPHILS IN ACUTE CORONARY ARTERY DISEASE (Invited Lecture)<br><b>J.G. Filep</b> , Maisonneuve-Rosemont Hospital, Montreal, Quebec, Canada   | 121 |
| 17:30 | INTERACTION OF GENE AND SALT DIETS ON CARDIAC ANGIOTENSIN II, ALDOSTERONE, AND CYTOKINES IN HYPERTROPHIED HEART (Invited Lecture)<br><b>K.N. Pandey</b> , Tulane University School of Medicine, New Orleans, LA, USA  | 122 |
| 17:45 | MICROBIOTA, SYSTEMIC INFLAMMATION AND CARDIOVASCULAR FUNCTION (Invited Lecture)<br><b>M. Navab</b> , S. Safar, G. Hough, F. Sedigh, A. Gapeleh, A. Ordoorkhani, Z. Barseghyan, R. Aliali, S. Reddy<br>David Geffen School of Medicine at UCLA, Los Angeles, CA, USA                           | 123 |
| 18:00 | ROLE OF COPPER TRANSPORTERS IN VASCULAR REMODELING AND INFLAMMATION (Invited Lecture)<br><b>T. Fukai</b> , University of Illinois at Chicago, Chicago, IL, USA  | 124 |
| 18:15 | THE COMPLEX CARDIOVASCULAR EFFECTS OF LEPTIN (Invited Lecture)<br><b>M.A. Allison</b> , University of California, San Diego, La Jolla, CA, USA  | 125 |
| 18:30 | HUMAN ENTEROVIRUS PERSISTENCE: POTENTIAL FOR EXACERBATION OF MYOCARDITIS (Invited Lecture)<br><b>N.M. Chapman</b> , S. Tracy<br>University of Nebraska Medical Center, Omaha, NE, USA   | 126 |
| 18:45 | CYTOKINES AND THE ROLE OF IMMUNOMODULATION IN HEART FAILURE OF DIFFERENT ETIOLOGIES (Invited Lecture)<br>D. Anzulovi-Miroševi, L Barzon, I Castagliuolo, P. Brun, G. Palù, M. Zaninotto, M. Maria Mion, M. Plebani, <b>S. Dalla-Volta</b><br>University of Padua Medical School, Padua; Italy | 495 |
| 19:00 | VIRAL ANTI-ATHEROGENIC PROTEINS ALTER MONOCYTE AND NEUTROPHIL INVASION IN MICE WITH ALTERED BAG3 GENE EXPRESSION<br>J. Davids, S. Saikaly, <b>A.R. Lucas</b><br>Cardiovascular Medicine, University of Florida, Gainesville, FL, USA  | 127 |

## SATURDAY, JULY 27, 2013

16:45 – 19:15

Hall B

PL06

### Plenary Session

#### ADVANCES IN CARDIOVASCULAR SURGERY / CAROTID AND CORONARY REVASCLARIZATION / HEART TRANSPLANTATION

Chairs: **D.M. Meyer**, Dallas, TX, USA  
**H. Sievert**, Frankfurt, Germany

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | NEW STRATEGIES FOR ACUTE STROKE INTERVENTION (Invited Lecture)<br><b>H. Sievert</b> , L. Vaskelyte, I. Hofmann, J. Franke, S. Gafoor, S. Lam,<br>S. Bertog, CardioVascular Center Frankfurt, Frankfurt, Germany                               | 128 |
| 17:00 | CHANGES IN HEART ALLOCATION FOR TRANSPLANTATION IN THE US AND WORLDWIDE: OPTIONS FOR A BETTER SOLUTION (Invited Lecture)<br><b>D.M. Meyer</b> , University of Texas Southwestern, Med Center at Dallas, Dallas, TX, USA                       | 129 |
| 17:15 | SIMULTANEOUS HEART-KIDNEY TRANSPLANTATION (Invited Lecture)<br><b>M.R. Johnson</b> , University of Wisconsin-Madison, Madison, WI, USA  | 131 |
| 17:30 | UPDATE ON THE TREATMENT OF LEFT MAIN DISEASE (Invited Lecture)<br><b>B.F. Uretsky</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA   | 132 |
| 17:45 | CALIFORNIA REVASCLARIZATION: PCI OUTCOMES IN THE SUNSHINE STATE (Invited Lecture)<br>S. Ram, T.G. Patel, L. Vazquez, Z. Li, PCI-CAMPOS Investigators,<br><b>W.J. Bommer</b><br>University of California Davis, Medical Center, Davis, CA, USA | 133 |
| 18:00 | UPDATE ON THE USE OF IMPELLA ASSIST DEVICE FOR HIGH RISK PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTIONS (Invited Lecture)<br><b>M.R. Movahed</b> , University of Arizona Sarver Heart Center, Tucson, AZ, USA                        | 134 |
| 18:15 | DEVICE CLOSURE OF ASD- LONG-TERM FOLLOW UP WITH SPECIAL REFERENCE TO COMPLICATIONS (Invited Lecture)<br><b>M. Sadiq</b> , The Childrens Hospital, Punjab Institute of Cardiology, Lahore, Pakistan  | 135 |
| 18:30 | WHERE IS THE FINE BALANCE BETWEEN IMMUNOSUPPRESSION AND MALIGNANCY IN CARDIAC TRANSPLANTATION? (Invited Lecture)<br><b>N. Nair</b> , Texas A&M HSC College of Medicine, Temple, TX, USA   | 136 |
| 18:45 | MANAGEMENT STRATEGIES OF COMBINED SEVERE SYMPTOMATIC CAROTID AND CORONARY ARTERY DISEASE (Invited Lecture)<br><b>M. Abu-Fadel</b> , University of Oklahoma HScC, Oklahoma City, OK, USA   | 137 |
| 19:00 | THE NO-TOUCH SAPHENOUS VEIN AS THE PREFERRED SECOND CONDUIT FOR CORONARY ARTERY BYPASS SURGERY<br><b>M. Dreifaldt</b> , J.D. Mannion, L. Bodin, H. Olsson, .L Zagozdzon, D. Souza<br>University Hospital, Orebro, Sweden                      | 138 |

## SATURDAY, JULY 27, 2013

16:45 – 18:45

Hall C

S25

Session

### SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL

	Chairs:	<b>Y. Charuzi</b> , Los Angeles, CA, USA <b>K. Seidl</b> , Ingolstadt, Germany	Abstract No.
16:45	INGESTION-TIME-DEPENDENT EFFECTS OF HYPERTENSION TREATMENT ON AMBULATORY BLOOD PRESSURE IN PATIENTS WITH CHRONIC KIDNEY DISEASE: THE HYGIA PROJECT D.E. Ayala, M.T. Rios, J.J. Crespo, E. Sineiro, A. Moya, A. Otero, M. Dominguez, A. Mojon, J.R. Fernandez, <b>R.C. Hermida</b> University of Vigo, Vigo, Spain		139
17:00	RENAL SYMPATHETIC DENERVATION FOR RESISTANT HYPERTENSION IN THE REAL WORLD CLINICAL PRACTICE: PRELIMINARY RESULTS OF THE SYMPLICITY VENEZUELA REGISTRY H.S. Casal, C. Collet, B. Burger, N. Beer, G. Varnagy, M. Herrera, <b>I. Mendoza</b> , J. Munoz, C. Calderas, R. Lopez Hospital de Clinicas Caracas, Venezuela		140
17:15	PREVALENCE OF HYPERTENSION IS HIGHER IN WOMEN WITH AN EXPERIENCE OF PRE-ECLAMPSIA <b>M.S. Shin</b> , B.R. Kim, S.J. Park, S.W. Han, I.M. Chung, D.J. Choi, M.C. Cho Gachon University Gil Hospital, Incheon, Korea		141
17:30	PROGNOSTIC VALUE FOR CARDIOVASCULAR RISK OF CLINIC AND AMBULATORY BLOOD PRESSURE IN CHRONIC KIDNEY DISEASE <b>R.C. Hermida</b> , D.E. Ayala, A. Mojon, J.R. Fernandez University of Vigo, Vigo, Spain		142
17:45	PREVALENCE OF HYPERTENSION AND ITS ASSOCIATION WITH METABOLIC RISK FACTORS IN TYPE 2 DIABETIC PUNJABI POPULATION <b>R. Kapoor</b> , R. Duggal, S. Kapoor, R. Kapoor Carewell Heart & Superspeciality Hospital, Amritsar, Punjab, India		143
18:00	CARDIORESPIRATORY RESPONSE TO EXERCISE AFTER RENAL SYMPATHETIC DENERVATION IN RESISTANT HYPERTENSION <b>C. Ukena</b> , F. Mahfoud, S. Ewen, I. Kindermann, M. Boehm Innere Medizin III - Universitaetsklinikum des Saarlandes, Homburg/Saar, Germany		144
18:15	CORRELATION BETWEEN LVEDP AND PCWP IN PATIENTS WITH PULMONARY HYPERTENSION <b>W.I. Khalife</b> , M. Morsy, T. Abu Sharifeh, UTMB, Galveston, Texas, USA		145
18:30	PREDICTORS OF PULMONARY HYPERTENSION IN PATIENTS WITH DIASTOLIC DYSFUNCTION <b>P. Rodriguez-Lozano</b> , W.I. Khalife, M. Morsy, S. Mutnuri, A. Khan, J. Rodriguez UTMB, Galveston, TX, USA		146

## SATURDAY, JULY 27, 2013

13:30 – 18:30

Poster Hall

### P201 PROGRESS IN ECHOCARDIOGRAPHY

Board No.		Abstract No.
1	ASSESSMENT OF MYOCARDIAL SCAR BY OPTISON ENHANCED ECHOCARDIOGRAPHY <b>M.E. Aldridge</b> , T.Z. Naqvi, A. Bamba Keck Medical Center of USC, Los Angeles, CA, USA	147
2	CORRELATION BETWEEN THE DOSE OF DOBUTAMINE AND ADDITIONAL USE OF ATROPINE TO ACHIEVE TARGET HEART RATES DURING DOBUTAMINE STRESS ECHOCARDIOGRAM (DSE) TEST AND CLINICAL OUTCOMES: A RETROSPECTIVE ANALYSIS J.H. Patel, M.K. Ishaq, S. Stavragi, C.A. Sivaram, P. Lozano, <b>U. Thadani</b> University of Oklahoma HSC, VA Medical Center, Oklahoma City, OK, USA	148
3	COMPARISON OF TISSUE DOPPLER CHARACTERISTICS IN LV BASAL SEGMENTS BETWEEN DIABETIC AND NON DIABETIC PATIENTS F. Ahmadi, M. Seiedian, T. Sahraee, F. Daeenejad, <b>M. Nourizadeh</b> , N. Asadina Cardiovascular Disease Research Center, Ahvaz Joundishapour University, Ahvaz, Iran	149

### P202 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES

4	RISK PREDICTION OF CONTRAST-INDUCED NEPHROPATHY IN DIABETIC PATIENTS UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR ACUTE MYOCARDIAL INFARCTION <b>J. Sugioka</b> , M. Inagaki, S. Fukuzawa, A. Ikeda, S. Okino, J. Maekawa, S. Maekawa, S. Ichikawa, N. Kuroiwa, S. Okamoto Funabashi Municipal Medical Center, Chiba, Japan	150
5	CULPRIT VESSEL VERSUS COMPLETE MULTIVESSEL REVASCULARIZATION IN PATIENTS PRESENTING WITH ST-SEGMENT MYOCARDIAL INFARCTION: A SINGLE CENTER RETROSPECTIVE ANALYSIS <b>R.S. Marok</b> , L.W. Klein Advocate Illinois Masonic Medical Center Chicago, IL, USA	151
6	ACCESS TO HEALTH CARE IN PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION IN SOUTHERN FLORIDA <b>C.A. Rueda Rios</b> , A. Damluji, L. Rueda, H. Salazar, A. Ferreira University of Miami Miller School of Medicine, Miami, Florida, USA	152
7	IMPACTS OF PCI IN-HOSPITAL OUTCOMES AND LIFE EXPECTANCY IN 1 PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION <b>T-H. Hsieh</b> , L-M Tsai College and Hospital of National Cheng Kung University, Tainan, Taiwan	153
8	PERI-PROCEDURAL HEMOGLOBIN DROP AND CREATININE CHANGE IN PATIENTS UNDERGOING SINGLE VESSEL PCI, A COMPARISON BETWEEN TRANSRADIAL AND TRANSFEMORAL APPROACHES M. Bheemarasetti, S. Sudhakar, <b>S.A. Gilani</b> , A.R. Al Emam, S. Cherry, A. Almomani, A. Kumar, A. Charif, UTMB, Galveston, Texas, USA.	154

## SATURDAY, JULY 27, 2013

13:30 – 18:30

Poster Hall

### P203 CAD: SECONDARY PREVENTION, CARDIAC REHAB, PROGNOSIS

Board No.		Abstract No.
9	<p>CHRONIC KIDNEY DISEASE: AMBULATORY BLOOD PRESSURE DIAGNOSTIC THRESHOLDS OF HYPERTENSION IN BASED ON CARDIOVASCULAR OUTCOMES <b>R.C. Hermida</b>, D.E. Ayala, A. Mojon, J.R. Fernandez University of Vigo, Vigo, Spain</p>	155
10	<p>DISTANCE GUIDANCE REINFORCEMENT PROGRAM AND ADHERENCE OF THE TREATMENT OF DYSLIPIDEMIA IN PRIMARY CARE THE PRECAVER STUDY <b>J.F.K. Saraiva</b>, L.S. Oliveira, A.T. Rocha, D.L. Dias, C.R. Rodrigues, V.M. Omar, P.A.P. Miranda, J.E.P. Neves, A. Perscinotti PUCCAMP, Campinas, SP Brazil</p>	156
11	<p>DURATION OF SURGERY AND POSTOPERATIVE ECG IN NON-CARDIAC PATIENTS UNDERGOING MAJOR ABDOMINO-PELVIC SURGERIES H. Sakota, G. Youssef, A. Hassan, <b>H. Kandil</b> Cardiology Department, Cairo University, Cairo, Egypt</p>	157
12	<p>PREVALENCE OF POSTOPERATIVE ECG CHANGES IN NON-CARDIAC PATIENTS UNDERGOING MAJOR ABDOMINO-PELVIC SURGERIES H. Sakota, G. Youssef, A. Hassan, <b>H. Kandil</b> Cardiology Department, Cairo University, Cairo, Egypt</p>	158
13	<p>ISOLATED CHRONIC TOTAL OCCLUSION OF LEFT ANTERIOR DESCENDING ARTERY: FOLLOW-UP PATIENTS FOR 8 YEARS <b>M. Prokudina</b>, I. Konstantinov, P. Mochalov, E. Bobrova, E. Karev, N. Malinina Federal Center of Heart, Blood and Endocrinology. St. Petersburg, Russia</p>	159



## SATURDAY, JULY 27, 2013

13:30 – 18:30

Poster Hall

### P204 INSIGHTS INTO MECHANISM AND MANAGEMENT OF ATRIAL FIBRILLATION

Board No.		Abstract No.
14	POSTOPERATIVE ATRIAL FIBRILLATION IS ASSOCIATED WITH HIGHER EUROSCORE, BUT NOT WITH HOSPITAL MORTALITY AFTER CORONARY ARTERY BYPASS GRAFT SURGERY C. Chen-Scarabelli, G. Faggian, G. Petrilli, L. Saravolatz, J. Narula, <b>T.M. Scarabelli</b> , St John Hospital and Medical Center/ Wayne State University, Detroit, MI, USA	160
15	THE VALUE OF LAVI AND CHADSVASC AS PREDICTORS OF STROKE RECURRENCE IN PATIENTS WITH NO PRIOR AF: A SAUDI EXPERIENCE M.M. AlQaseer, A.K AlQarni, Y. Alawi, <b>A.D. Jelani</b> , B.I. Jugdutt King AbdulAziz Hospital, National Guard Health Affairs, AlAhsa, Kingdom of Saudi Arabia	162
16	ATRIAL FIBRILLATION IN PATIENT WITH DIASTOLIC DYSFUNCTION AND RISK OF ISCHEMIC STROKE <b>P. Rodriguez-Lozano</b> , W.I. Khalife, M. Morsy, J. Rodriguez, A. Khan, S. Mutnuri, UTMB, Galveston, TX, USA	163
17	ATRIAL ELECTROMECHANICAL INTERVAL IN THE PREDICTION OF RECURRENCE OF ATRIAL FIBRILLATION IN PATIENTS UNDERGOING SUCCESSFUL ELECTRICAL CARADIOVERSION TO SINUS RHYTHM K.G. Ulveling, <b>M.J. Holmberg</b> , T. Burns, A.M. Ayers, J. Go, A.N. Mooss Creighton University, Omaha, NE, USA	164
18	SUCCESS RATES FOR MAINTENANCE OF SINUS RHYTHM WITH DIRECT CURRENT CARADIOVERSION AND AGGRESSIVE ANTI-ARRHYTHMIC THERAPY IN PATIENTS WITH ATRIAL FIBRILLATION F.N.U Shailesh, S. Pant, S. Kasula, J. Russell, M. Abed, A.J. Deshmukh, H. Paydak, <b>S. Vallurupalli</b> University of Arkansas for Medical Sciences, Little Rock, AR, USA	165
19	ATRIAL FIBRILLATION ADDS TO THE BURDEN OF ISCHAEMIC STROKES IN A MULTI-ETHNIC SOUTHEAST ASIAN POPULATION <b>J. See</b> , J. Chow, Changi General Hospital, Singapore	166
20	USEFULNESS OF DABIGATRAN IN THE PATIENTS WITH NON VALVULAR ATRIAL FIBRILLATION <b>T. Tomaru</b> , M. Ueshima, T. Matsubara, E. Matsubara, Y. Sugiyama Toho University Medical Center Sakura Hospital, Japan	167
21	SAFETY OF CLASS-1C ANTIARRHYTHMIC DRUG TREATMENT IN PATIENTS WITH ATRIAL FIBRILLATION AFTER EXCLUSION OF CORONARY CALCIFICATIONS BY CT - LONG TERM RESULTS <b>R. Wakili</b> , M. Greif, F. von Ziegler, F. Schuessler, S. Clauss, H. Estner, S. Kaab, A Becker, Klinikum Grosshadern, University of Munich	168
22	IN HOSPITAL REGISTRY OF ATRIAL FIBRILLATION AND MULTIVARIANT ANALYSIS <b>V.C. Borra</b> , S.T. Sadagopan, V.B. Krishnan, L.S. Borra, J.A. Babburi Sri Ramachandra University, Nagarjuna Hospitals, Chennai, India	169

## SATURDAY, JULY 27, 2013

13:30 – 18:30

Poster Hall

### P205      **CARDIOVASCULAR ASPECTS IN RENAL DISEASE**

Board No.		Abstract No.
23	ROLE OF RENAL DYSFUNCTION IN PREDICTING ATRIAL FIBRILLATION IN PATIENTS WITH LEFT VENTRICULAR DIASTOLIC DYSFUNCTION AND CORRELATION WITH PRO-BNP <b>P. Rodriguez-Lozano</b> , W. Khalife, M. Morsy, J. Rodriguez, A. Khan, S. Mutnuri, UTMB, Galveston, TX, USA	170
24	RELATIONSHIP OF CARDIOVASCULAR MORTALITY & HOMOCYSTEINE LEVELS IN CHRONIC KIDNEY DISEASE <b>N. Nand</b> Post graduate Institute of Medical Sciences, Rohtak, India.	171

### P206      **PERICARDITIS**

25	LUPUS PERICARDITIS POST CARDIAC TAMPONADE SECONDARY TO MITRAL VALVULOPLASTY <b>S.H. Wan</b> , F.C. Ernste Mayo Clinic, Rochester, MN, USA	172
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### P207      **LEFT VENTRICULAR HYPERTROPHY / HYPERTROPHIC CARDIOMYOPATHY**

26	CAN A PATIENT WITH FAMILY HISTORY OF HOCM WITH NEAR NORMAL ECHOCARDIOGRAM, BE AT HIGH RISK OF SUDDEN DEATH? H.M. Shamsulddin, S. Kannagati, R. Mallareddy, <b>T. Aung</b> , J. Schiavone Easton Hospital, Easton, PA, and Drexel University, Philadelphia, PA, USA	173
27	REPEAT ECHOCARDIOGRAPHIC SCREENING IN SUBJECTS UNDERGOING SCREENING ECHOCARDIOGRAPHY FOR DETECTION OF HYPERTROPHIC CARDIOMYOPATHY <b>M.R. Movahed</b> , S. Bates, University of Arizona, Tucson, AZ, USA	174

### P208      **MISCELLANEOUS**

28	EFFICACY AND SAFTY OF CITALOPRAM IN TREATMENT OF NEUROCARDIOGENIC SYNDROME: EARLY AND LATE FOLLOW UP <b>N.N. Kadri</b> , A.N. Kadri, L.F. Nusairat Jordan Hospital and Medical Center, Amman, Jordan	175
29	PREDICTORS OF DIASTOLIC DYSFUNCTION IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE <b>P. Rodriguez-Lozano</b> , W.I. Khalife, M. Morsy, J. Rodriguez, A. Khan, S. Mutnuri, UTMB, Galveston, TX, USA	176
30	ASSOCIATED MEDICAL CONDITIONS IN PATIENTS TREATED WITH THERAPEUTIC NORMOTHERMIA OR HYPOTHERMIA FOR CARDIOVASCULAR AND NEUROLOGICAL INDICATIONS <b>Y. Ji</b> , A. Elkharbotly, T. Waters, M. Torosoff, Albany Medical College, Albany, NY, USA	178



INTERNATIONAL ACADEMY OF CARDIOLOGY  
18th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2013  

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VANCOUVER, BC, CANADA, JULY 26 – 29, 2013

**SCIENTIFIC  
PROGRAM**  
SUNDAY, July 28, 2013

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## SUNDAY, JULY 28, 2013

08:30 – 10:30

Hall A

PL07

### 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.

- |       |  |     |
|-------|--|-----|
| 08:30 | IGE ACTIVITIES ON CD4+ T CELLS ARE EQUALLY IMPORTANT TO THOSE ON MAST CELLS IN EXPERIMENTAL ABDOMINAL AORTIC ANEURYSMS (Invited Lecture)<br>J. Wang, J.S. Lindholt, P. Libby, <b>G.P. Shi</b><br>Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, USA   | 179 |
| 08:45 | LESSONS FROM ANIMAL MODELS OF ARTERIAL ANEURYSM (Invited Lecture)<br><b>S.D. Gertz</b> , L. Gavish<br>The Hebrew University - Hadassah Medical School, Jerusalem, Israel   | 180 |
| 09:00 | PRACTICAL GENETICS OF THORACIC AORTIC ANEURYSM (Invited Lecture)<br><b>J.A. Elefteriades</b> , Aortic Institute at Yale-New Haven, New Haven, CT, USA  | 181 |
| 09:15 | UPDATE ON AHA GUIDELINES FOR MANAGEMENT OF THORACIC AORTIC DISEASE (Invited Lecture)<br><b>A.T. Yetman</b> , University of Utah, Salt Lake City, UT, USA   | 182 |
| 09:30 | POLYVASCULAR DISEASE: DIAGNOSIS AND TREATMENT (Invited Lecture)<br><b>T. Tomaru</b> , J. Suzuki, T. Matsubara, E. Matsubara, Y. Minami<br>Toho University Sakura Hospital, Japan   | 183 |
| 09:45 | CORRELATION BETWEEN AORTIC ROOT DILATION AND DIASTOLIC DYSFUNCTION<br><b>P. Rodriguez-Lozano</b> , W.I. Khalife, M. Morsy, S. Mutnuri, A. Khan<br>UTMB, Galveston, TX, USA   | 185 |
| 10:00 | THE DA VINCI ROBOT AND NEW ERA OF VASCULAR SURGERY<br><b>P. Stadler</b> , L. Dvoracek, P. Vitasek, P. Matouš<br>Na Homolce Hospital, Praha, Czech Republic   | 186 |
| 10:15 | ENDOVENOUS ABLATION THERAPY FOR TREATMENT OF VENOUS INSUFFICIENCY: COMPARATIVE STUDY EVALUATING EFFICACY BETWEEN LASWER AND RADIOFREQUENY IN SYMPTOMATIC VENOUS INSUFFICIENCY<br><b>L.M. Slusher</b> , Niyanthesh A. Reddy, Navya A. Reddy, D.L. Slusher, Nagendar A. Reddy<br>Lorven Heart & Vascular Institute, Ocala, FL, USA | 187 |
| 10:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SUNDAY, JULY 28, 2013

08:30 – 11:00

Hall B

PL08

**Plenary Session**  
**VASCULAR BIOLOGY, IMMUNE MEDIATED SURVIVAL AND**  
**OXIDATIVE STRESS**

Chairs: **T. Malinski**, Athens, OH, USA  
**K. Maiese**, Jersey City, NJ, USA

Abstract No.

08:30	STATIN EFFECTS BEYOND LIPID LOWERING: ATORVASTATIN INHIBITION OF MYOCARDIN EXPRESSION IN VASCULAR SMOOTH MUSCLE (Invited Lecture) <b>X.L. Zheng</b> , University of Calgary, Calgary, AB, Canada	188
08:45	CROSS-TALK BETWEEN NADPH OXIDASE AND MITOCHONDRIA FOR ROS-DEPENDENT VEGF SIGNALING AND ANGIOGENESIS (Invited Lecture) <b>M. Ushio-Fukai</b> , University of Illinois at Chicago, Chicago, IL, USA	189
09:00	mTOR SIGNALING IN VASCULAR AND IMMUNE MEDIATED DISEASE (Invited Lecture) <b>K. Maiese</b> , Mitsubishi Tanabe Pharma, Jersey City, NJ, USA	190
09:15	CORONARY VASOMOTOR REGULATION BY ENDOTHELIN-1 AND OXIDATIVE STRESS (Invited Lecture) <b>L. Kuo</b> , G. Lu, T.W. Hein, Texas A&M Health Science Center, Temple, TX, USA	191
09:30	THE ROLE OF NITRIC OXIDE/PEROXYNITRITE IMBALANCE IN THE ISCHEMIC HEART (Invited Lecture) H. Wang, <b>T. Malinski</b> , Ohio University, Athens, OH, USA	193
09:45	DIHYDROFOLATE REDUCTASE IN CARDIOVASCULAR PATHOPHYSIOLOGY (Invited Lecture) <b>H. Cai</b> , UCLA David Geffen School of Medicine Los Angeles, CA, USA	194
10:00	THIOREDOXIN-1 GENE THERAPY FOR CARDIOVASCULAR DISEASE (Invited Lecture) <b>N. Maulik</b> , University of Connecticut School of Medicine, Farmington, CT, USA	303
10:15	HYPERCHOLESTEROLEMIA-INDUCED OXIDATIVE STRESS IN THE HEART (Invited Lecture) <b>K. Prasad</b> , University of Saskatchewan, Saskatoon, SK, Canada	195
10:30	IL-10 AND INNATE SIGNALING IN CARDIOMYOCYTE PROTECTION (Invited Lecture) A. Bagchi, A. Sharma, G. Akolkar, <b>P.K. Singal</b> St. Boniface General Hospital Research Centre, Winnipeg, MN, Canada	192
10:45	CD137 DEFICIENCY REDUCES THE DEVELOPMENT AND PLAQUE INSTABILITY OF ATHEROSCLEROSIS <b>G.T. Oh</b> , I.H. Jung, J. Jin, D.Y. Kim Ewha Womans University, Seoul, Korea	196
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

## SUNDAY, JULY 28, 2013

08:30 – 11:00

Hall C

S26

Session

### NEW DIAGNOSTIC METHODS AND IMAGING TECHNIQUES

Chairs: **T. Akasaka**, Wakayama, Japan  
**T. Tomaru**, Chiba, Japan

Abstract No.

- 08:30 SAFETY OF ECHOCARDIOGRAPHIC CONTRAST IN HOSPITALIZED PATIENTS WITH PULMONARY HYPERTENSION: A MULTICENTER STUDY **197**  
**V. Suma**, O. Wever-Pinzon, A. Ahuja, J. Romero, N. Sareen, S.A. Henry, M.D. Zunino, F.F. Chaudhry, R.S. Suryadevara, F.A. Chaudhry  
North Shore University Hospital, Hofstra NS-LIJ School of Medicine, Manhasset, NY, USA
- 08:45 MDCT QUANTIFICATION OF EXTRACELLULAR VOLUMES IN ACUTE AND SCARRED MYOCARDIAL INJURIES **198**  
**L. Do**, M.W. Wilson, M. Suhail, S.W. Hetts, M. Saeed  
University of California San Francisco, San Francisco, CA, USA
- 09:00 LONG-TERM FOLLOW-UP OF CORONARY COMPUTED TOMOGRAPHY IN PATIENTS WITH CHEST PAIN AT INTERMEDIATE RISK **199**  
**F.B. Sozzi**, F. Civaia, P. Rossi, J.F. Robillon, S. Rusek, F. Bertier, F. Bourlon, L. Iacuzio, G. Drayfus, V. Dor  
Fondazione IRCCS Cà Granda, Cardiology, Milan, Italy
- 09:15 WHO IS YOUNG AT HEART AND WHEN? DATA FROM THE MIND YOUR HEART STUDY **200**  
**S. Pursnani**, K. Singh, S. Lahsaei, B. Ristow, R.E. Shaw, B.E. Cohen, N. Schiller, California Pacific Medical Center; San Francisco, CA, USA
- 09:30 OPTICAL COHERENCE TOMOGRAPHY FINDINGS OF LESION WITH VERY LATE RESTENOSIS AFTER BARE METAL STENT IMPLANTATION **201**  
**M. Habara**, M. Terashima, K. Nasu, T. Teramoto, M. Kimura, Y. Kinoshita, E. Tsuchikane, Y. Asakura, T. Matsubara, T. Suzuki  
Toyohashi Heart Center, Toyohashi, Aichi, Japan
- 09:45 CORONARY CHRONIC TOTAL OCCLUSIONS; EVALUATION AND PREDICTION OF PERCUTANEOUS INTERVENTION OUTCOME BY COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY AS COMPARED TO CONVENTIONAL CORONARY ANGIOGRAPHY **202**  
**S. Elkaffas**, S. Sumitsuji, A. Hassan-Mostafa, K. Said, H. Kandil, S. Nanto  
Cairo University, Department of Cardiology, Cairo, Egypt
- 10:00 UNVEILING RESTRICTIVE CARDIOMYOPATHIES WITH CARDIAC MAGNETIC RESONANCE **203**  
**N.R. Aggarwal**, Mayo Clinic, Rochester, MN, USA
- 10:15 LOW RISK CHEST PAIN PATIENTS MIGHT NOT BENEFIT FROM IN PATIENT STRESS TESTING **204**  
**Y. Nawaz**, B. Ayub, D. Schneider, R.A Watson  
Lehigh Valley Hospital, Allentown, PA, USA

## SUNDAY, JULY 28, 2013

<b>S26</b>	<b>Session</b> <b>NEW DIAGNOSTIC METHODS AND IMAGING TECHNIQUES</b> <b>(continued)</b>	Abstract No.
10:30	NON-INVASIVE ASSESSMENT OF THE LEFT VENTRICULAR END-DIASTOLIC PRESSURE USING PORTABLE ULTRASOUND MEASUREMENTS OF THE RIGHT INTERNAL JUGULAR VEIN <b>G.T. Jao</b> , R.W. Savage, J. Li, K. Buchanan, D.C. Sane Carilion Clinic-Virginia Tech School of Medicine, Roanoke, VA, USA	205
10:45	THE INFLUENCE OF EARLY TRAINING IN TRANS-RADIAL VERSUS TRANS-FEMORAL APPROACH DURING SELECTIVE CORONARY ANGIOGRAPHY S. Sudhakar, M. Bheemarasetti, <b>W. Khalife</b> , A. al Emam, S. Cherry, A. Almomani, A. Sharife, S. Onguti, S. Gilani University of Texas Medical Branch, Galveston, Texas, USA	206
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	
<b>08:30 – 11:00</b>		<b>Hall D</b>

<b>S27</b>	<b>Session</b> <b>ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT</b>	
	Chairs: <b>M.R. Movahed</b> , Tuscon, AZ, USA <b>B.F. Uretsky</b> , Little Rock, AR, USA	
08:30	CORONARY COLLATERALS ARE NOT CARDIOPROTECTIVE IN MULTIETHNIC STEMI PATIENTS AFTER REVASCULARIZATION <b>A. Avezbadalov</b> , A. Jaiswal, E.N. Moustakakis, C.H. Park, A.J. Buda New York Hospital Queens, Weill Cornell Medical College, New York, NY, USA	207
08:45	MICROVASCULAR OBSTRUCTION LIMITS MYOCARDIAL INFARCT RESORPTION <b>H. Bajwa</b> , M.W. Wilson, L. Do, S.W. Hetts, M. Saeed University of California San Francisco, CA, USA	208
09:00	ACUTE MYOCARDIAL INFARCTION AND MULTIVESSEL DISEASE: DIFFERENT PERCUTANEOUS REVASCULARIZATION STRATEGIES IN REAL WORLD <b>A. Manari</b> , E. Varani, P. Guastaroba, M. Menozzi, M. Valgimigli, L. Vignali, P. Magnavacchi, A. Marzocchi, G. Casella S. Maria Nuova Hospital, Reggio Emilia, Italy	209
09:15	INFLAMMATION/LIPID SCORE MAY OUTPERFORM TIMI SCORE FOR PREDICTION OF PCI-TREATED STEMI OUTCOMES <b>J.D. Kasprzak</b> , K. Kolodziej, J.Z. Peruga, Z. Bednarkiewicz, M. Krzeminska-Pakula, T. Rechciski Medical University of Lodz, Lodz, Poland	210



## SUNDAY, JULY 28, 2013

S27	Session ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT (continued)	Abstract No.
09:30	OUTCOME OF PATIENTS WITH ACUTE CORONARY SYNDROME REQUIRING INTENSIVE CARE UNIT ADMISSION <b>A Jain</b> , R. Giri, H. Luckraz, New Cross Hospital, Wolverhampton, UK	211
09:45	IS STEMI AS COMMON AS WE THINK IN SYMPTOMATIC PATIENTS WITH LEFT BUNDLE BRANCH BLOCK? <b>F.A Alkindi</b> , A.M. Arabi, A.A. Patel, A. Gehani, R. Singh, J. Alsuwaidi, H. Albinali Hamad Medical Corporation, Doha, Qatar	212
10:00	QT DISPERSION AND T WAVE PEAK TO END TIME SIGNIFICANTLY CHANGE AFTER PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH ACUTE ST ELEVATION V. Eslami, M. Safi, M. Taherkhani, A. Adibi, <b>M.R. Movahed</b> University of Arizona, USA	213
10:15	MICROEMBOLI EFFECTS ON LEFT VENTRICULAR FUNCTION, NECROSIS BIOMARKERS AND HISTOPATHOLOGY IN PRE-EXISTING AMI <b>L. Do</b> , M.W. Wilson, J. Murayama, S. Nahi, S. Tse, B. Thorne, M. Suhail, S. Hetts, M. Saeed University of California San Francisco, San Francisco, CA, USA	214
10:30	ACUTE MYOCARDIAL INFARCTION IN HOSPITALIZED PATIENTS WITH THROMBOTIC THROMBOCYTOPENIC PURPURA <b>N. Balasubramaniyam</b> , D.S. Kolte, C. Palaniswamy, K. Yalamanchili, W.S. Aronow, J.A. McClung, S. Khera, M. Mujib, S. Sule, SJ Peterson Internal Medicine, New York Medical College, Valhalla, NY, USA	216
10:45	ANALYSIS OF CURRENT TREATMENT AND OUTCOMES FOR ACUTE MYOCARDIAL INFARCTION IN ETHIOPIA S. Zaeh, A. Giday, C. Smitson, E. Weldeyes, <b>J. O'Mara</b> Yale University, New Haven, CT, USA	217
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

## SUNDAY, JULY 28, 2013

11:15 – 14:00

Hall A

PL09

### Plenary Session

### VALVULAR HEART DISEASE: MECHANISMS, IMAGING AND TREATMENT OPTIONS

*Joint Session with the Heart Valve Society of America*

Chairs: **J.S. Borer**, New York, NY, USA  
**N.M. Rajamannan**, Chicago, IL, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | ANTICOAGULATION AND HEART VALVE DISEASE: IS IT TIME TO RECONSIDER WHO AND HOW? (Invited Lecture)<br><b>J.S. Borer</b> , State University of New York Downstate Medical Center, New York, NY, USA  | 218 |
| 11:30 | NEW INSIGHT INTO TREATMENT OF AORTIC STENOSIS: LIGHT AT THE END OF THE TUNNEL (Invited Lecture)<br><b>D.D. Heistad</b> , R.M. Weiss, University of Iowa College of Medicine, Iowa City, IA, USA   | 219 |
| 11:45 | TRANSAPICAL TRANSCATHETER AORTIC VALVE REPLACEMENT IN THE PRESENCE OF A MITRAL PROSTHESIS (Invited Lecture)<br><b>J. Ye</b> , University of British Columbia, Vancouver, BC, Canada   | 220 |
| 12:00 | OXIDATIVE-MECHANICAL SIGNALING ACTIVATES Wnt3a-Lrp5 MEDIATED AORTIC VALVE OSTEOGENESIS IN BICUSPID AORTIC VALVE DISEASE (Invited Lecture)<br><b>N.M. Rajamannan</b> , Northwestern University Feinberg School of Medicine, Chicago, IL, USA | 221 |
| 12:15 | EVOLVING TREATMENT STRATEGIES FOR TRICUSPID VALVE DISEASE (Invited Lecture)<br><b>H.K. Reddy</b> , R.C. Komatireddy, R.K. Sharma, D.J. Voelker<br>University of Arkansas for Medical Sciences, Little Rock, AR, USA                         | 222 |
| 12:30 | TAVI - WAVE OF THE FUTURE OR TIME FOR A DEEP BREATH? (Invited Lecture)<br><b>H.L. Lazar</b> , Boston Medical Center, Boston, MA, USA  | 223 |
| 12:45 | TRANSESOPHAGEAL ECHOCARDIOGRAPHY FOR TRANSCATHETER AORTIC VALVE REPLACEMENT (Invited Lecture)<br><b>S. Lerakis</b> , P. Block, V. Hourani, R. Guyton, V. Babaliaros<br>Emory University Hospital, Atlanta, GA, USA                          | 224 |
| 13:00 | ASYMPTOMATIC SEVERE AORTIC STENOSIS: OPERATE OR WAIT? (Invited Lecture)<br><b>H.P. Chaliki</b> , Mayo Clinic, Scottsdale, AZ, USA   | 225 |
| 13:15 | EARLY SURGERY IN MITRAL REGURGITATION: IS IT A NEW TREND? (Invited Lecture)<br><b>Y.J. Kim</b> , Seoul National University College of Medicine, Seoul, Korea  | 226 |
| 13:30 | MAJOR NON-CARDIAC SURGERY IN PATIENTS WITH AORTIC STENOSIS - SAME AS 20 YEARS AGO? (Invited Lecture)<br><b>S. Pislaru</b> , Mayo Clinic College of Medicine, Rochester, MN, USA   | 227 |
| 13:45 | SURGICAL TIMING FOR INFECTIVE ENDOCARDITIS (Invited Lecture)<br><b>D.H. Kang</b> , University of Ulsan, Asan Medical Center, Seoul, Korea   | 228 |

# SUNDAY, JULY 28, 2013

11:15 – 13:45

Hall B

PL10

## Plenary Session ARRHYTHMIA, ELECTROPHYSIOLOGY AND STROKE PREVENTION

Chairs: **C. Snyder**, Cleveland, OH, USA  
**A. Khoynezhad**, Los Angeles, CA, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | THE WORK UP OF ASYMPTOMATIC WOLFF-PARKINSON-WHITE SYNDROME (Invited Lecture)<br><b>C. Snyder</b> , W. Hoyt Jr., J. Steinberg, Rainbow Babies and Children's Hospital, Cleveland, OH, USA  | 229 |
| 11:30 | ATRIAL FIBRILLATION AS A GENETIC DISEASE (Invited Lecture)<br><b>M.H. Gollob</b> , University of Ottawa Heart Institute, Ottawa, ON, Canada   | 230 |
| 11:45 | IS THERE A PERFECT APPROACH FOR ABLATION PERSISTENT ATRIAL FIBRILLATION? (Invited Lecture)<br><b>K. Srivathsan</b> , Mayo Clinic, Arizona, AZ, USA  | 231 |
| 12:00 | THORACOSCOPIC BIATRIAL MAZE PROCEDURE – A NOVEL MINIMAL-INVASIVE REMEDY WITH PROMISING MIDTERM RESULTS (Invited Lecture)<br><b>A. Khoynezhad</b> , Cedars-Sinai Medical Center, Los Angeles, CA, USA  | 232 |
| 12:15 | LEFT ATRIAL APPENDAGE CLOSURE (Invited Lecture)<br><b>S. Bertog</b> , L. Vaskelyte, I. Hofmann, S. Lam, S. Gafoor, J. Wiebe, H. Sievert, CVC Frankfurt/Minneapolis VA Medical Center, MN, USA   | 233 |
| 12:30 | CRYPTOGENIC STROKE - COULD LONG TERM CARDIAC MONITORING UNCOVER THE CAUSE (Invited Lecture)<br><b>J. Rod Gimbel</b> , Knoxville, TN, USA  | 235 |
| 12:45 | MY PATIENT CANNOT STAND UP: WHAT TO DO ABOUT ORTHOSTATIC HYPOTENSION (Invited Lecture)<br><b>S.R. Raj</b> , Vanderbilt University, Nashville TN, USA  | 236 |
| 13:00 | ANTICOAGULATION IN PATIENTS WITH SYSTOLIC HEART FAILURE AND SINUS RHYTHM: WHEN? (Invited Lecture)<br><b>E. Yetkin</b> , Middle East Hospital, Mersin, Turkey  | 234 |
| 13:15 | LONG TERM EFFICACY OF ATRIAL BASED PACING AND BETA BLOCKER THERAPY TO PREVENT SUDDEN CARDIAC DEATH IN CONGENITAL LONG QT SYNDROME<br><b>A. Chatterjee</b> , H. Doppalapudi, Y.R. Lau, T. Yamada, H.T. McElderry, V.J. Plumb, G.N. Kay, University of Alabama at Birmingham, AL, USA                                   | 238 |
| 13:30 | ASSOCIATION OF CORRECTED QT INTERVAL WITH LONG-TERM MORTALITY IN PATIENTS WITH SYNCOPE<br><b>J. Garg</b> , P. Hari Krishnan, N. Balasubramaniam, C. Palaniswamy, W.S. Aronow, S. Khera, G. Balasubramanian, C. Nabors, S.J. Peterson, S. Sule Westchester Medical Center, New York Medical College, Valhalla, NY, USA | 237 |
| 13:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SUNDAY, JULY 28, 2013

11:15 – 13:45

Hall C

S28

Session

### NEW INSIGHTS INTO PATHOGENESIS, PREVENTION AND TREATMENT OF CARDIOMYOPATHIES

Chairs: **B.I. Jugdutt**, Edmonton, AB, Canada  
**A.A. Knowlton**, Davis, CA, USA

Abstract No.

- 11:15 PREVENTIVE AND/OR THERAPEUTIC EFFECT OF NRF2 ACTIVATORS ON DIABETES- OR ANGIOTENSIN II-INDUCED CARDIOMYOPATHY **239**  
**L. Cai**, University of Louisville, Louisville, KY, USA The Chinese-American Research Institute for Diabetic Complications, Wenzhou Medical College, Wenzhou, China
- 11:30 DOES THE ETIOLOGY OF RECIPIENT CARDIOMYOPATHY OR LEFT VENTRICULAR HYPERTROPHY POST TRANSPLANT PREDICT THE LONG TERM INCIDENCE OF CORONARY ALLOGRAFT VASCULOPATHY? **240**  
**W.I. Khalife**, S. Garikipati, R.P. Vivo, P. Nalabothu, S. Johnson, K. Kisingbury, R. Sharif, A. Charif  
University of Texas Medical Branch, Galveston, TX, USA
- 11:45 TAKOTSUBO CARDIOMYOPATHY: ANALYSIS FROM THE NATIONAL INPATIENT SAMPLE 2009-2010 **241**  
**P. Krishnamoorthy**, J. Garg, C. Palaniswamy, J.A McClung, H. Ahmad  
Englewood Hospital and Medical Center, Englewood, NY, USA
- 12:00 PROGNOSTIC VALUE OF FRAGMENTED QRS COMPLEX ON ECG OF HYPERTROPHIC CARDIOMYOPATHY PATIENTS WITH ICD **242**  
**B.M. Omery**, M. Homsj, A.S. Aasar, M. Das  
Krannert Institute of Cardiology, Indiana University School of Medicine, Indianapolis, IN, USA
- 12:15 LIRAGLUTIDE POSTCONDITIONING IS MORE EFFECTIVE THAN EXENDIN-4 IN LIMITING REPERFUSION INJURY IN BOTH WKY AND SHR-SP RATS WITH LEFT VENTRICULAR HYPERTROPHY **243**  
**B. Faricelli**, M. Salomonsson, A. Consoli, T. Engstroem, M. Treiman  
University of Copenhagen, Copenhagen, Denmark  
G. d'Annunzio University, Chieti, Italy
- 12:30 SENSITIVITY AND SPECIFICITY OF COMMONLY USED EKG CRITERION TO ASSESS LEFT VENTRICULAR HYPERTROPHY IN CENTENARIANS **244**  
**A. Sharma**, S. Chatterjee, V. Shetty, E. Lichstein  
Maimonides Medical Center, Brooklyn, NY, USA
- 12:45 A CASE OF FATAL FULMINANT MYOCARDITIS PRESENTING AS AN ACUTE ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION AND PERSISTENT VENTRICULAR TACHYARRHYTHMIA ASSOCIATED WITH INFLUENZA A (H1N1) VIRUS IN A PREVIOUSLY HEALTHY PREGNANT WOMAN **245**  
**Z.J. Tharayil**, M.A. Ona, D.R. Bashari, A. Charlot, I. Hoskins, M. Timoney, S. Usmani, R. Royzman  
Lutheran HealthCare, Brooklyn, NY, USA

## SUNDAY, JULY 28, 2013

S28

### Session

### NEW INSIGHTS INTO PATHOGENESIS, PREVENTION AND TREATMENT OF CARDIOMYOPATHIES (continued)

Abstract No.

- 13:00 MYOCARDIAL INFARCTION.... OR NOT? THE TIME IS "TICKING" 246  
**J. Gilson**, M. Krishnamurthy, F. Elmi  
Easton Hospital, Academic affiliate to Drexel University, Easton, PA, USA
- 13:15 IS TAKOTSUBO CARDIOMYOPATHY A POTENTIAL SIDE EFFECT OF 247  
ANTIDEPRESSANT?  
**J. Kim**, I.C. An, G.S. Abela, H.S. Laird-Fick  
Michigan State University, East Lansing, MI, USA and  
Sparrow Health System, Lansing, MI, USA
- 13:30 TELMISARTAN DELAYED INACTIVATION OF CARDIAC NAV1.5 248  
RESULTING CARDIAC DYSFUNCTION  
H.K. Kim, S.R. Lee, I-S. Song, S.H. Jeong, D.Y. Seo, N. Kim, **J. Han**  
Cardiovascular and Metabolic Disease Center, Inje University,  
Busan, Korea
- 13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION



## SUNDAY, JULY 28, 2013

11:15 – 13:00

Hall D

S29

Session

**MOLECULAR AND CELLULAR CARDIOLOGY / VASCULAR BIOLOGY,  
BASIC RESEARCH**

Chair: **P.K. Singal**, Winnipeg, MN, Canada

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | CDK5-MEDIATED HYPERPHOSPHORYLATION CONTRIBUTES TO THE LOSS-OF-SIRT1 FUNCTION DURING THE DEVELOPMENT OF ENDOTHELIAL SENESENCE<br><b>B. Bai</b> , Y. Liang, C. Xu, M.Y.K. Lee, A.M. Xu, D.H. Wu, P.M. Vanhoutte, Y. Wang<br>Li Ka Shing Faculty of Medicine, the University of Hong Kong, Hong Kong | 250 |
| 11:30 | MOLECULAR MECHANISMS UNDERLYING THE PRO-ATHEROGENIC ACTIONS OF INTERFERON-GAMMA<br>N. Li, J.E. McLaren, D.R. Michael, T.R. Hughes, <b>D.P. Ramji</b><br>School of Biosciences, Cardiff University, Museum Avenue, Cardiff, UK.  | 251 |
| 11:45 | TMEM16A CALCIUM ACTIVATED CHLORIDE CHANNEL IS INVOLVED IN CEREBROVASCULAR REMODELING<br><b>Y.Y. Guan</b> , M. Wang, Z. Zhang, Y.B. Tang, J.G. Zhou<br>Zhongshan School of Medicine, Sun Yet-Sen University, Guanghzhou, China   | 253 |
| 12:00 | EFFECTS OF SODIUM BICARBONATE ON HEMODYNAMIC RECOVERY IN HYPOXIC NEWBORN PIGLETS RESUSCITATED WITH ROOM AIR<br>J-Q Liu, T-F Lee, D.L. Bigam, <b>P-Y Cheung</b><br>University of Alberta, Edmonton, AB, Canada   | 027 |
| 12:15 | DILATED CARDIOMYOPATHY AND MITOCHONDRIAL DYSFUNCTION IN GAB1-DEFICIENT MICE: A ROLE FOR GAB1 IN ADULT HEART<br><b>Z. Jin</b> , J. Zhao, F.Q. Jin, C. Wong, M.A. Mastrangelo, Y. Lu, D.M. Mickelsen, Y. Yang, M. Yin<br>University of Rochester, New York, NY, USA                                 | 255 |
| 12:30 | THE EPA:DHA 6:1-INDUCED ACTIVATION OF ENOS IN THE CORONARY ARTERY INVOLVES A COPPER-DEPENDENT PRO-OXIDANT EVENT<br>F. Zgheel, M. Alhosin, S. Rashid, C. Auger, <b>V.B. Schini-Kerth</b><br>Strasbourg University, Illkirch, France  | 252 |
| 12:45 | CAVEOLIN-1/ABC-A1 COMPLEX-MEDIATED CHOLESTEROL EFFLUX OF LIPID-LADEN CELLS AND DRUG DEVELOPMENT FROM CHINESE HERBAL MEDICINE<br><b>D.F. Liao</b> , S.W. Sun<br>Hunan University of Chinese Medicine, Changsha, Hunan, China   | 249 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

**P301**      **Poster Session**  
**MOLECULAR AND CELLULAR CARDIOLOGY, BASIC AND**  
**TRANSLATIONAL RESEARCH**

Board No.		Abstract No.
1	CO-PURIFICATION OF ARRESTIN LIKE PROTEINS WITH ALPHA-ENOLASE IN BOVINE MYOCARDIAL TISSUES, THEIR IMPLICATION IN CLINICAL HEART DISEASES <b>M. Mirshahi</b> , S. Le Marchand INSERM, UMRS 872, CRC, University of Pierre and Marie Curie, and University of Paris Descartes, Paris, France	254
2	THE MOLECULAR MECHANISM OF THE ANTI-OXIDATIVE EFFECTS OF CATECHIN ON PALMITIC ACID-INDUCED CYTOTOXICITY IN ASTROCYTES <b>K.L. Wong</b> , C.W. Cheung, K.S. Cheng, E.C. So, C.C Chao, Y.M. Leung* China Medical University & Hospital, Taichung, Taiwan	256
3	REMOTE CARDIAC INJURY MEDIATED BY NEUROGENIC PATHWAY: A CARDIAC DELETERIOUS EFFECT AND PREVENTS STRATEGY <b>X. Ren</b> , The Second Affiliated Hospital of Harbin Medical University, China	257
4	TISSUE PERFUSION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION: THE ROLE OF FIBRINOGEN LEVEL IN CORONARY ARTERY REVASULARIZATION AFTER THROMBOLYTIC THERAPY AND RESCUE PERCUTANEOUS CORONARY INTERVENTION K. Bin Thani, <b>E. Murad</b> , A. Al-Moosa, M.E. Alalawi, F Al-Moosa, H Al-Sindi, E. Mahmud Salmaniya Medical Complex, Manama, Bahrain	258
5	PATHOLOGICAL EFFECT OF ENDOTHELIAL-TO-MESENCHYMAL TRANSITION ON THE CYSTIC KIDNEY B.H. Kim, M.Y. Park, <b>J.H. Park</b> , Sookmyung Women's University, Yongsan-gu, Seoul, Korea	259
6	CTRP IS ASSOCIATED WITH CARDIAC MUSCLE DEVELOPMENT <b>S. Han</b> , Y. Yang, Sookmyung Women's University, Seoul, Korea	260
7	INTERFERENCE OF DOXORUBICIN WITH CARDIAC AMPK SIGNALING – A CULPRIT FOR DOXORUBICIN CARDIOTOXICITY? <b>M. Tokarska-Schlattner</b> , S. Gratia, L. Kay, V. Novel-Chate, L. Potenza, P. Sestili, U. Schlattner University Joseph Fourier, Laboratory of Fundamental and Applied Bioenergetics, Grenoble, France	261

## SUNDAY, JULY 28, 2013

08:00 – 13:00

Poster Hall

### P302 ANTIPLATELET AND ANTITHROMBOTIC THERAPIES IN PCI

Board No.		Abstract No.
8	RANDOMIZED PROSPECTIVE IMPACT OF CILOSTAZOL ASSOCIATED WITH ARRHYTHMIA AFTER PERCUTANEOUS CORONARY INTERVENTION B.J. Kwon, D.B. Kim, S.H. Ihm, <b>H.Y. Kim</b> , H.J. Youn, H.B. Seung The Catholic University of Korea, Seoul, Korea	262
9	MAJOR BLEEDING IN ACUTE CORONARY SYNDROMES: INCIDENCE, PREDICTORS AND PROGNOSTIC VALUE W.A. Ammar, <b>H.I. Kandil</b> , O.A. Omar Cairo University, Cairo, Egypt	263
10	CLOPIDOGREL: A CAUSE OF RECURRENT RHEUMATISM <b>S. Agrawal</b> , S. Khera, J. Garg, N. Agrawal, J. Harburger Westchester Medical Center at New York Medical College, Valhalla, NY, USA	264

### P303 INTERVENTIONAL CARDIOLOGY I

11	ULTIMATE SIMPLE STRATEGY FOR BIFURCATION LESION <b>S. Ichikawa</b> Funabashi Municipal Center Heart and Vascular Institute, Funabashi, Chiba, Japan	265
12	THE ROLE OF PATIENT CHARACTERISTICS IN SELECTIVE DIAGNOSTIC CORONARY ANGIOGRAPHY BY FEMORAL VERSUS RADIAL ACCESS M. Bheemarasetti, S. Sudhakar, <b>W. Khalife</b> , S. Gilani, A. Aljafareh, S. Priya University of Texas Medical Branch, Galveston, Texas, USA.	266
13	STUDY THE UPPER EXTREMITIES VARIATION AND ITS ROLE IN TRANSRADIAL ANGIOGRAPHY PROCEDURE <b>M Nourizadeh</b> , A. Asareh, S. Yazdankhah, M. Easapoor, A. Shamsakhtari Ganjavian Hospital, Dezful, Iran	267
14	AGE-RELATED DEVIATION IN ACTUAL INGUINAL LIGAMENT COURSE (ARC) <b>G. Rana</b> , R.H. Patel, D. Iyer, I. Sharif, R. Tayal, A. Emporelli, M. Cohen, V. Spektor, N. Wasty Newark Beth Israel Medical Center, Newark, NJ, USA	268
15	UNUSUAL TREATMENT OF POSTOPERATIVE BLEEDING AFTER CARDIAC SURGERY: RIGHT CORONARY ARTERY STENTING WITH COVERED STENTS <b>J. Rubio Alvarez</b> , J. Sierra Quiroga, B. Adrio Nazar, L. Reija Lopez, A. Granda Bauza, J.M. Martinez Cereijo, C. Rubio Taboada Universitary Hospital Santiago de Compostela, Spain	269



**P304      CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT**

Board No.		Abstract No.
16	<p>ARTERIAL WALL THICKENING DURING MENOPAUSE TRANSITION REFLECTS IRON ACCRUAL AND ATHEROSCLEROSIS RISK  <b>J.X. Liu</b>, T Tran, T Sharkey-Toppen, B McCarthy, R Wexler, O.P. Simonetti, F.Z. Stanczyk, R.D. Jackson, S.V. Raman                      The Ohio State University, Columbus, OH, USA</p>	<b>270</b>
17	<p>CARDIOVASCULAR DISEASE AND SPINAL CORD INJURY: RESULTS FROM A NATIONAL POPULATION HEALTH SURVEY  <b>J.J. Cragg</b>, V.K. Noonan, A. Krassioukov, J. Borisoff                      University of British Columbia, Vancouver, BC, Canada</p>	<b>271</b>
18	<p>RELATION OF WAIST CIRCUMFERENCE TO THE PRESENCE AND SEVERITY OF ATHEROSCLEROTIC CORONARY ARTERY DISEASE AMONG AN EGYPTIAN COHORT  <b>O.A. Rifaie</b>, A.A. Aboleila, K.A. Foad, Ain Shams University, Cairo, Egypt</p>	<b>272</b>
19	<p>BODY MASS INDEX DOES NOT HAVE CORRELATION WITH THE SEVERITY OF CORONARY ARTERY DISEASE BUT WAIST TO HIP RATIO HAS: PARADOXICAL FINDINGS  <b>A.F. Zand Prasa</b>, S. Jahanshahi, L. Haghighi, Imam Khomeini Hospital Complex, Tehran University of Medical Sciences, Tehran, Iran</p>	<b>273</b>
20	<p>MATRIX METALLOPROTEINASE 9 (MMP9), TISSUE INHIBITOR OF MMP (TIMP1) IN SERUM AT PATIENTS WITH SUBCLINICAL ATHEROSCLEROSIS                      G.A. Rozikhodjaeva, <b>Z.A. Usmanova</b>, K.R. Yokubov                      Central Clinical Hospital 1, Tashkent, Uzbekistan</p>	<b>274</b>
21	<p>DEPRESSION AND RISK OF CARDIOVASCULAR DISEASES AMONG MEN AGED 25-64 YEARS: WHO PROGRAM MONICA –PSYCHOSOCIAL  <b>V.V. Gafarov</b>, E.A. Gromova, A.V. Gafarova, I.V. Gagulin                      FSBI Collaborative Laboratory of Cardiovascular Diseases Epidemiology SB RAMS, Novosibirsk, Russia</p>	<b>275</b>
22	<p>THE RELATIONSHIP BETWEEN CAROTID INTIMA-MEDIA THICKNESS AND CARDIAC SYNDROME X  <b>H.S. Taha</b>, M.Z. Elramly, L.M. Abudaqa                      Faculty of Medicine, Cairo University, Cairo, Egypt</p>	<b>276</b>
23	<p>RELATIONSHIP BETWEEN BONE MINERAL DENSITY AND RISK FACTORS OF ATHEROSCLEOSIS AND CARDIOVASCULAR DISEASE IN KOREAN POSTMENOPAUSAL WOMEN  <b>E.H. Kong</b>, H.Y. Park                      Kosin University College of Medicine, Busan, South Korea</p>	<b>277</b>
24	<p>PRESENCE OF ANOMALOUS CORONARIES DO NOT INCREASE THE RISK FOR ATHEROSCLEROSIS                      P. Suryanarayana, S. Kollampare, I. Riaz, J. Lee, M. Hussein, <b>M.R. Movahed</b>                      University of Arizona College of Medicine, Tucson, AZ, USA</p>	<b>278</b>

## SUNDAY, JULY 28, 2013

08:00 – 13:00

Poster Hall

### P305 CARDIAC PACING, DEFIBRILLATION AND RESYNCHRONIZATION THERAPY

Board No.		Abstract No.
25	DOES BASELINE PR INTERVAL IMPACT OUTCOMES AFTER CARDIAC RESYNCHRONIZATION THERAPY? <b>P. Simlote</b> , R.R. Shah, B.B. Pavri Jefferson Medical College, Thomas Jefferson University Hospital, Philadelphia, PA, USA	279
26	THE FATE OF INNOCENT BYSTANDER LEADS AFTER LASER LEAD EXTRACTION T. Tse, S. Parekh, <b>J.S. Snow</b> Winthrop University Hospital, Mineola, NY, USA	280
27	PACING IN PATIENTS WITH SINUS NODE DYSFUNCTION: MANAGED VENTRICULAR PACING (MVP) VERSUS DDDR WITH LONG AV DELAY <b>S. Pumprueg</b> , A. Suwanagool, W. Boonyapisit, C. Sriratanasathavorn Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand	281
28	EMERGENCY DEPARTMENT STAFF KNOWLEDGE OF INDICATIONS FOR PERMANENT PACEMAKER INSERTION <b>J. Basu</b> Oxford Heart Centre, John Radcliffe Hospital, Oxford, UK	282
29	UNWINDING LIFE IN THE HEART; A CASE OF INTERNAL CARDIOVERTER-DEFIBRILLATOR LEAD MALFUNCTION S. Kanneganti, <b>T. Aung</b> , K. Khalighi Easton Hospital, Easton, PA, USA	283
30	EPICARDIAL RHYTHM DEVICES (ERD), AN ALTERNATIVE FOR HEMODIALYSIS PATIENTS R. Cohen, <b>P. Loarte</b> , I. Dashkova, S-Y. Chou, B. Mirrer Division of Cardiology – Woodhull Medical Center, Brooklyn, New York. USA	284

### P306 EXERCISE AND THE CARDIOVASCULAR SYSTEM

31	THE EFFECT OF AEROBIC TRAINING ON ENDOTHELIUM-DEPENDENT VASODILATATION IN CORONARY ARTERY DISEASE PATIENTS AFTER REVASCULARIZATION F. Ahmadi, B. Hidian, E. Hajizadeh, M. Seidian, M. Adel, <b>M. Nourizadeh</b> , F. Daeenejad Cardiovascular Disease Research, Joundishapoor, Ahvaz, Iran	285
32	ANALYSIS OF THE RELATION BETWEEN VO2MAX. AND LACTATE AFTER PHYSICAL EFFORT TEST IN ELDERLY <b>S.I Alabarse</b> , A. Silva, D.R. Silva, P.S.B. Silva, J.A.O. Filho, M.T. Mello, V.A. Moises, S. Tufik, T.P. Rodrigues Federal University of Sao Paulo, Sao Paulo, SP, Brazil	286

## SUNDAY, JULY 28, 2013

08:00 – 13:00

Poster Hall

### P307 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE

Board No.		Abstract No.
33	HEART RATE VARIABILITY AND FINNEGAN'S SCORE: A COMPARATIVE ASSESSMENT OF NEONATAL ABSTINENCE SYNDROME M. Nagiub, K. Alton, <b>V. Avula</b> , D. Macon, K. Hagglund, P. Anne St. John Providence Children's Hospital, Wayne State University, Detroit, MI, USA	287
34	PRENATAL DIAGNOSIS AND OUTCOMES OF FETUSES WITH TRICUSPID ATRESIA SINGLE CENTRE EXPERIENCE <b>R.A Bejiqi</b> , R.J Retkoceri, N.E Zeka, H.X. Bejiqi, A.R. Retkoceri, S.A Surdulli, N.F. Gashi UCC of Kosovo, Pediatric Clinic, Prishtina, Kosovo	288
35	UNDER ESTIMATION OF ATRIAL SEPTAL DEFECT CLOSURE DEVICE SIZE IN LARGE ATRIAL SEPTAL DEFECTS REQUIRING DEVICES $\geq$ 27 MM <b>H.I. Kandil</b> , A. El Sisi, M. Ali, Cairo University, Cairo, Egypt	289
36	CHARACTERIZATION AND EVALUATION OF DUCTUS ARTERIOSUS STENTING IN NEONATES AND INFANTS WITH DUCT-DEPENDENT CYANOTIC CONGENITAL HEART DISEASE <b>J.P. Rojas</b> , E. Vallejo, A. Valencia Universidad Libre Seccional Cali, Colombia	290
<b>P308 REMOTE MONITORING IN CARDIOLOGY</b>		
37	USING THE IPHONE AS A HEART RHYTHM MONITOR. CAN I SEE P WAVES IN MY PHONE? <b>J.E. Banchs</b> , M Sendra Ferrer, G.A. Baquero, S. Lentz, D.L. Wolbrette, G.V. Naccarelli, M.D. Gonzalez, Penn State Hershey Heart & Vascular Institute, Hershey, PA, USA	291

## SUNDAY, JULY 28, 2013

14:00 – 15:45

Hall A

PL11

### Plenary Session

### STABLE ISCHEMIC HEART DISEASE – THERAPEUTIC OPTIONS

Chairs: **M.E. Farkouh**, Toronto, ON, Canada  
**U. Thadani**, Oklahoma City, OK, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | IMPACT OF LIFE STYLE MODIFICATIONS, ANTIANGINALS, ANTIPLATELETS AND LIPID MODIFYING DRUGS AND OF CORONARY ARTERY REVASCULARIZATION ON MORTALITY AND MORBIDITY IN PATIENTS WITH ISCHEMIC HEART DISEASE: TRUTH AND FALSE NOTIONS (Invited Lecture)<br><b>U. Thadani</b> , University of Oklahoma HSC and VA Medical Center, Oklahoma City, OK, USA | 293 |
| 14:15 | INTEGRATIVE THERAPY IN CARDIOVASCULAR DISEASE: SAVIOR OR SHAM? (Invited Lecture)<br><b>S. Schaefer</b> , University of California, Davis, CA, USA  | 294 |
| 14:30 | MEDICAL RISK FACTOR CONTROL IN LARGE TRIALS OF DIABETIC PATIENTS UNDERGOING CORONARY REVASCULARIZATION<br><b>M.E. Farkouh</b> , University of Toronto, Toronto, Ontario, Canada  | 295 |
| 14:45 | PTEN AND STATINS INDUCED NEW ONSET DIABETES (Invited Lecture)<br>Y. Ye, S. Ling, M. Bajaj, <b>Y. Birnbaum</b><br>Baylor College of Medicine, Houston, TX, USA  | 296 |
| 15:00 | ADVANCES IN THE TREATMENT OF CORONARY ARTERY DISEASE IN THE ELDERLY (Invited Lecture)<br><b>I. Mikati</b> , Northwestern Memorial Hospital, Chicago, IL, USA   | 297 |
| 15:15 | IS THERE A ROLE FOR CORONARY ARTERY CALCIUM (CAC) TESTING IN SYMPTOMATIC PATIENTS IN THE ERA OF CORONARY CT ANGIOGRAPHY? (Invited Lecture)<br><b>K. Nasir</b> , Baptist Health South Florida, Johns Hopkins Ciccarone Center for Preventive Cardiology, Miami, FL, USA   | 298 |
| 15:30 | CENTRALIZED, STEPPED, PATIENT PREFERENCE-BASED TREATMENT FOR PATIENTS WITH POST-ACUTE CORONARY SYNDROME DEPRESSION: CODIACS VANGUARD RANDOMIZED CONTROLLED TRIAL<br><b>K.W. Davidson</b><br>Columbia University Medical Center, New York, NY, USA  | 299 |
| 15:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SUNDAY, JULY 28, 2013

14:00 – 16:15

Hall B

PL12

### Plenary Session

### MOLECULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE

	Chairs:	<b>D.K Das</b> , Farmington, CT, USA <b>A.M. Gerdes</b> , Old Westbury, NY, USA	Abstract No.
14:00	ENHANCING STEM CELL ENGRAFTMENT IN THE HEART USING SINGLE CELL MICROENCAPSULATION (Invited Lecture) <b>D.L. Kraitchman</b> , Johns Hopkins University, Baltimore, MD, USA		300
14:15	CARDIOPROTECTION BY AUTOPHAGY MEDIATED VIA ENDOPLASMIC RETICULUM STRESS (Invited Lecture) S. Das, I. Lekli, <b>D.K Das</b> , University of Connecticut School of Medicine, Farmington, CT, USA		301
14:30	CARDIAC TISSUE HYPOTHYROIDISM- A MAJOR PLAYER IN DIABETIC CARDIOMYOPATHY (Invited Lecture) <b>A.M. Gerdes</b> , N.Y. Weltman, New York Institute of Technology, Old Westbury, NY, USA		302
14:45	DNA TOPOISOMERASE II INHIBITORS INDUCE MACROPHAGE ABCA1 EXPRESSION AND CHOLESTEROL EFFLUX--- AN LXR-DEPENDENT MECHANISM (Invited Lecture) L. Zhang, M. Jiang, Y. Shui, Y. Chen, Q. Wang, X. Ma, X. Li, M. Liu, Y. Duan, <b>J. Han</b> , Nankai University, Tianjin, China		304
15:00	FAILURE TO OVEREXPRESS UROCORTIN FOLLOWING CARDIOPLEGIC ARREST MAKES THE HEART OF DIABETIC PATIENTS UNDERGOING ON-PUMP CORONARY ARTERY BYPASS GRAFTING MORE SUSCEPTIBLE TO APOPTOSIS AND CARDIAC DYSFUNCTION (Invited Lecture) <b>T.M. Scarabelli</b> , St John Hospital & Medical Center/Wayne State University SOM, Detroit, MI, USA		305
15:15	PI3K INHIBITORS AS NOVEL CANCER THERAPIES: IMPLICATIONS FOR CARDIOVASCULAR MEDICINE (Invited Lecture) B. McLean, P. Zhabyeyev, E. Pituskin, I. Paterson, M.J. Haykowsky, <b>G.Y. Oudit</b> , University of Alberta, Edmonton, AB, Canada		306
15:30	PROTEIN TRANSDUCTION DOMAINS; TARGETED VS. NON-TARGETED TISSUE DELIVERY (Invited Lecture) <b>M. Zahid</b> , University of Pittsburgh, Pittsburgh, PA, USA		307
15:45	STEM CELLS INDUCED CARDIAC REGENERATION IN DOXORUBICIN INDUCED CARDIOMYOPATHY (Invited Lecture) <b>D. Singla</b> , University of Central Florida, Orlando, FL, USA		494
16:00	MIR-24 UP-REGULATION UNDERLIES EXCITATION-CONTRACTION UNCOUPLING IN HEART FAILURE M. Xu, R.C. Li, H.D. Wu, M. Wang, J. Tao, Y.B. Guo, X.J. Wang, <b>S.Q. Wang</b> , Peking University, Beijing, China		308
16:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION		

## SUNDAY, JULY 28, 2013

14:00 – 16:45

Hall C

S30

### Session

#### ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY

Chair: **J.R. Gimbel**, Knoxville, TN, USA  
**C.A. Henrikson**, Portland, OR, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:00 | EFFECTS OF RESUSCITATION TIME ON OUTCOMES IN CARDIAC ARREST PATIENTS UNDERGOING THERAPEUTIC HYPOTHERMIA<br><b>R.M. Van Hoff</b> , A.M. Robert, J.R. Brown, S.H. Conley, A.T. Kono<br>Dartmouth Hitchcock Medical Center, NH, USA  | 309 |
| 14:15 | HIGHLY LETHAL NKX2.5 MUTATION<br><b>J.L. Perera</b> , N.M. Johnson, D.P. Judge, J.E. Crosson<br>Johns Hopkins University, Baltimore, MD, USA  | 310 |
| 14:30 | DOES AZITHROMYCIN INCREASE THE RISK OF CARDIOVASCULAR DEATH? A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS<br><b>R.F. Njoh</b> , B. Njei, R. Vidhun<br>St. Mary's Hospital, Waterbury, CT, USA  | 311 |
| 14:45 | CLINICAL PROFILE, MANAGEMENT AND OUTCOME OF PATIENTS WITH OUT-OF-HOSPITAL CARDIAC ARREST (OHCA): INSIGHT FROM A 20-YEAR REGISTRY IN THE STATE OF QATAR<br>A.A. Patel, <b>A.M. Arabi</b> , H.A. Alzaeem, J.M. Alsuwaidi, H.H. Albinali, R.S. Singh, Hamad Medical Corporation, Doha, Qatar                           | 313 |
| 15:00 | META-ANALYSIS TO DETERMINE CRITICAL TASER BARB DISTANCE FOR MYOCARDIAL CAPTURE<br>T.A. Dewland, <b>B.T. Young</b> , P.N. Azadani, G.M. Marcus, A. Si, A. Soleimanirahbar, B.K. Lee<br>University of California San Francisco, San Francisco, CA, USA  | 314 |
| 15:15 | LEFT VENTRICULAR PACING SHOULD BE AN OPTION IN PATIENTS UNDERGOING CARDIAC RESYNCHRONIZATION THERAPY<br><b>A. Singh</b> , F. Cutcher, A. Tran, E. Bass<br>Phoenix Heart, Glendale, AZ, USA  | 315 |
| 15:30 | TOPICAL ANTIBIOTIC AND SKIN ANTISEPTIC PROPHYLAXIS AFTER PLACEMENT OF CARDIAC ELECTRONIC IMPLANTABLE DEVICE (CEID): A PROSPECTIVE RANDOMIZED TRIAL<br>K. Khalighi, <b>T.T. Aung</b> , S. Thapamagar, S.R. Walker<br>Easton Hospital, Department of Medicine, Drexel University College of Medicine, Easton, PA, USA | 316 |
| 15:45 | IMAGING THE PM/AICD PATIENT; AN MRI NEURO-CARDIAC EFFICACY STUDY<br><b>R.W. Biederman</b> , J.A. Yamrozik, G. Rayarao, D. Thompson, R.B. Williams, M. Sha, M. Doyle<br>Allegheny General Hospital, The Gerald McGinnis Cardiovascular Institute, Pittsburgh, PA, USA  | 317 |

## SUNDAY, JULY 28, 2013

S30	Session	Abstract No.
	<b>ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY (continued)</b>	
16:00	ROLE OF IMPLANTABLE LOOP RECORDER IN THE MANAGEMENT OF ATRIAL FIBRILLATION S.B. Thapamagar, E. Rakhshan, S. Sooklal, <b>D.A. Mascarenhas</b> Easton Hospital, Easton, PA, and Drexel University, Philadelphia, PA, USA	319
16:15	STRATEGY OF CARDIOVERSION AND ANTI-ARRHYTHMIC DRUG THERAPY FOR ATRIAL FLUTTER/FIBRILLATION INDUCED TACHYCARDIA MEDIATED CARDIOMYOPATHY – A SINGLE CENTER EXPERIENCE <b>S. Vallurupalli</b> , F. Shailesh, S. Kasula, S. Pant, M. Abed, H. Paydak University of Arkansas for Medical Sciences, Little Rock, Arkansas	320
16:30	MICROBIOLOGICAL DIFFERENCES OF POCKET VS. NON-POCKET CARDIOVASCULAR IMPLANTABLE ELECTRONIC DEVICE INFECTIONS <b>A. Kaji</b> , D.H. Lee, A. Kohut, S. Kutalek Drexel University College of Medicine, Philadelphia, PA, USA	321



## SUNDAY, JULY 28, 2013

16:45 – 19:00

Hall A

PL13

### Plenary Session

#### CAN WE BUILD A BETTER MODEL: CVD RISK PREDICTION

Chairs: **M.A. Alpert**, Columbia, MO, USA  
**M.H. Criqui**, La Jolla, CA, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 16:45 | CORONARY ARTERY CALCIUM DENSITY AND CARDIOVASCULAR DISEASE EVENTS (Invited Lecture)<br><b>M.H. Criqui</b> , J.O. Denenberg, J.H. Ix, R.L. McClelland, C.L. Wassel, D.E. Rifkin, J.J. Carr, M.J. Budoff, M.A. Allison<br>University of California, San Diego, La Jolla, CA, USA | 322 |
| 17:00 | CAROTID ULTRASOUND EVALUATION OF SUBCLINICAL ATHEROSCLEROSIS IN 2013: PROGRESS AND PITFALLS (Invited Lecture)<br><b>J.M. Gardin</b> , Hackensack University Medical Center, Hackensack, NJ, USA  | 323 |
| 17:15 | IS DIABETES REALLY A CORONARY HEART DISEASE RISK EQUIVALENT? (Invited Lecture)<br><b>N.D. Wong</b> , University of California, Irvine, CA, USA   | 324 |
| 17:30 | RISK FACTORS FOR CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE (Invited Lecture)<br><b>M.A. Alpert</b> , University of Missouri-Columbia, Columbia, MO, USA   | 325 |
| 17:45 | THE HIGH CORONARY DISEASE RISK OF SOUTH ASIAN AMERICANS (Invited Lecture)<br><b>A.L. Klatsky</b> , Kaiser Permanente Medical Center, Oakland, CA, USA  | 326 |
| 18:00 | MENTAL STRESS INDUCED MYOCARDIAL ISCHEMIA AND ITS TREATMENT (Invited Lecture)<br><b>W. Jiang</b> , Duke University Medical Center, Durham, NC, USA   | 327 |
| 18:15 | BIDIRECTIONAL RISKS OF CARDIOVASCULAR DISEASE AND COGNITIVE IMPAIRMENT (Invited Lecture)<br><b>K. Alagiakrishnan</b> , University of Alberta, Edmonton, Alberta, Canada  | 328 |
| 18:30 | ARE GENDER DIFFERENCES IN HEART DISEASE MORE SIGNIFICANT THAN THE SIMILARITIES? (Invited Lecture)<br><b>S. Malik</b> , University of California, Irvine, CA, USA   | 329 |
| 18:45 | BODY MASS INDEX AS PREDICTOR OF TOTAL AND CARDIAC MORTALITY IN PATIENTS WITH CARDIOVASCULAR DISEASE: A META ANALYSIS OF 49 STUDIES<br><b>A. Sharma</b> , E Lichstein, S Chatterjee<br>Maimonides Medical Center, Brooklyn, NY, USA   | 330 |



**S31**

**Session**

**THE RELEVANCE OF GENETICS IN PROVIDING UNDERSTANDING AND TREATMENT FOR CARDIOVASCULAR DISEASES**

Chairs: **J.N. Bella**, Bronx, NY, USA  
**N. Maulik**, Farmington, CT, USA

Abstract No.

- 16:45 DIFFERENCES IN PLATELET microRNA PROFILES AFTER ASPIRIN USE ARE ASSOCIATED WITH DIFFERENCES IN WHOLE BLOOD AGGREGATION AND MIGHT IDENTIFY ASPIRIN RESISTANCE **331**  
M.G. Kok, C. Mandolini, R. Nieuwland, E.E. Creemers, J.C. Meijers, **S.J. Pinto-Sietsma**, Academic Medical Centre, Amsterdam, The Netherlands
- 17:00 ASSOCIATION STUDY OF 10 SELECTED GENE VARIANTS WITH ANGIOGRAPHIC SEVERITY OF CORONARY ARTERY DISEASE **332**  
M. Javorsky, V. Vitanov, L. Klimcakova, J. Zidzik, V. Habalova, E. Babjakova, R. Tkacova, J. Salagovic, B. Stancak, **I. Tkac**  
Safarik University, Department of Medicine, Kosice, Slovakia
- 17:15 GENETIC VARIANTS IN FBN-1 AND RISK FOR THORACIC AORTIC DISSECTION AND NON-DISSECTING ANEURYSM: THE YALE STUDY **333**  
O. Iakoubova, C. Tong, C. Rowland, M. Luke, V. Garcia, J. Catanese, J. Catanese, R. Moomiaie, D. Nikas, **J. Elefteriades**  
Celera Incorporated, Alameda, CA, USA
- 17:30 MACROPHAGES TRANSMIT POTENT PROANGIOGENIC EFFECTS OF oxLDL IN VITRO AND IN VIVO INVOLVING HIF-1 $\alpha$  ACTIVATION: A NOVEL ASPECT OF ANGIOGENESIS IN ATHEROSCLEROSIS **334**  
**R. Hutter**, W.S. Speidl, C. Valdiviezo, B. Sauter, R. Corti, V. Fuster, J.J. Badimon  
The Cardiovascular Institute, Mount Sinai School of Medicine, New York, NY, USA
- 17:45 A GENETIC RISK SCORE FOR ATRIAL FIBRILLATION IS ASSOCIATED WITH CARDIOEMBOLIC STROKE **335**  
**M.M. Luke**, C.H. Tong, J.J. Devlin, C.R. Rowland, C. Mannhalter  
Celera, a division of Quest Diagnostics, Alameda, CA, USA
- 18:00 THE ASSOCIATION OF A GENETIC RISK SCORE WITH ATRIAL FIBRILLATION IN TWO HYPOTHETICAL POPULATIONS **336**  
**M.M. Luke**, C.H. Tong, J.J. Devlin, C.R. Rowland  
Celera, a division of Quest Diagnostics, Alameda, CA, USA
- 18:15 A NOVEL LAMIN A/C MUTATION IN A DUTCH FAMILY WITH PREMATURE ATHEROSCLEROSIS **337**  
A.A. Weterings, I.A. Van Rijnsingen, A.S. Plomp, A.H. Zwinderman, R.H. Lekanne Deprez, M.M. Mannens, M.A. Van Den Bergh Weerman, A.C. Van Der Wal, **S.J. Pinto-Sietsma**, Academic Medical Center, Amsterdam, The Netherlands
- 18:30 MIR-301A OVER-EXPRESSION IN BONE-MARROW DERIVED MESENCHYMAL STEM CELLS: DIFFERENTIATION VERSUS PROLIFERATION **338**  
**A.L. Müller**, J. Klassen, S. Neumann, M. Guirgis, M. Ngo, Y. Li, D.H. Freed  
St. Boniface Research Centre; University of Manitoba, Winnipeg, Canada

S32

Session

**ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION**

Chairs: **E.S. Gang**, Los Angeles, CA, USA  
**K. Srivathsan**, Arizona, AZ, USA

Abstract No.

- 16:45 THE EFFECTS OF GENDER, CALCIUM CHANNEL BLOCKERS AND DIGOXIN ON DOFETILIDE THERAPEUTIC EFFICACY AND OUTCOMES: AN ACAP-TIKOSYN REGISTRY ANALYSIS **339**  
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St. Luke's and Roosevelt Hospitals, University Hospitals of Columbia University, Columbia University College of Physicians and Surgeons, New York, USA
- 17:00 INTEGRATED CHRONIC CARE MANAGEMENT IN PATIENTS WITH ATRIAL FIBRILLATION: AN EFFECTIVE TREATMENT STRATEGY **340**  
**J.M.L. Hendriks**, R. de Wit, H.J.G.M. Crijns, H.J.M. Vrijhoef, M.H. Prins, R. Pisters, L.A.F.G. Pison, Y. Blaauw, R.G. Tieleman  
Maastricht University Medical Centre, Maastricht, The Netherlands
- 17:15 INITIAL EXPERIENCE WITH THREE-DIMENSIONAL ANATOMICAL MAPPING DURING CARDIAC PACING LEAD EXTRACTION **066**  
B.L. Nguyen, A. Persi, S. Poggi, G. Riitano, A. Piro, C. Gaudio, G. Giunta, A. Ciccaglioni, R.J. Siegel, **E.S. Gang**, Cardiology Dept, Sapienza University of Rome, Italy  
David Geffen School of Medicine at UCLA, Los Angeles, CA, USA
- 17:30 AF SURVEILLANCE POST AF ABLATION USING IMPLANTABLE CARDIAC MONITOR **341**  
**J. Ip**, Y. Xie, D. Grimes, K. Jager, J. Boak, D. Gandhi  
Sparrow Clinical Research Institute, Lansing, MI, USA
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**J. Nealis**, A. Mironov, C. Mitre, A. Budzikowski, J. Kassotis  
SUNY Downstate Medical Center, Brooklyn, N.Y. USA
- 18:00 ENHANCED ABLATION IN PULMONARY VEIN ANTRUM GUIDED BY MAGNETIC NAVIGATION IMPROVES LONG-TERM OUTCOME OF PAROXYSMAL ATRIAL FIBRILLATION **343**  
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Institute of Geriatric Cardiology, PLA General Hospital, Beijing, China
- 18:15 RADIOFREQUENCY CATHETER ABLATION VERSUS CRYOABLATION THERAPY FOR TREATMENT OF ATRIAL FLUTTER **344**  
S. Aggarwal, R.S. Loomba, T.K. Shah, S. Khosla, **R.R. Arora**  
Chicago Medical School, North Chicago, IL, USA
- 18:30 PHARMACOLOGICAL CONVERSION OF RECENT ONSET ATRIAL FIBRILLATION: A RANDOMIZED STUDY OF PROPAFENONE AND AMIODARONE **161**  
**H.S. Taha**, M.S. Mashaal, R.M. Omar  
Faculty of Medicine, Cairo University, Cairo, Egypt

## SUNDAY, JULY 28, 2013

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19:15	COMPLICATIONS OF TRANSEPTAL ACCESS IN PEDIATRIC AND CONGENITAL ELECTROPHYSIOLOGY PROCEDURES <b>J.C. von Alvensleben</b> , M.D. Dick II, D.J. Bradley, O.H. Alam, M.J. LaPage University of Michigan, Ann Arbor, MI, USA	347
19:30	RP INTERVAL DURATION IN SURFACE EKG DURING TYPICAL AVNRT IN ELDERLY PATIENTS <b>J. Misiri</b> , C.B. Kauffman, F. Kusumoto Mayo Clinic, Rochester, MN, USA	348



## SUNDAY, JULY 28, 2013

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Poster Hall

### P401 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES

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3	EXAMINATION OF CAVI MEASUREMENT IN PATIENTS UNDERGOING INITIAL CORONARY ANGIOGRAPHY <b>J. Ando</b> , M. Myojyo, T. Tanaka, A. Kiyosue, Y. Higashikuni, M. Takahashi, H. Fujita, H. Yamashita, I. Komuro The University Tokyo Hospital, Tokyo, Japan	351
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5	GLOBAL LONGITUDINAL STRAIN SPECKLE TRACKING IN CONSIDERING ADVERSE CARDIOVASCULAR EVENTS DURING FOLLOW SHORT TERM IN PATIENTS WITH ACUTE CORONARY SYNDROME. <b>E. Ruiz</b> , I. Marquez, W. Guanipa. "Dr. Domingo Luciani" Hospital, IVSS. Caracas, Venezuela	353
6	USEFULNESS AND LIMITATION OF ANKLE-BRACHIAL INDEX FOR DIAGNOSIS OF PERIPHERAL ARTERY DISEASE M. Yamada, J. Suzuki, Y. Sugiyama, T. Matsubara, T. Kon, T. Kurosu, <b>T. Tomaru</b> , Toho University Medical Center Sakura Hospital, Sakura, Japan	354

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Poster Hall

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8	EFFECTS OF RADIAL ARTERY ANATOMICAL VARIATIONS ON TRANSRADIAL CARDIAC CATHETERIZATION <b>W.I. Khalife</b> , S. Gilani, A. Charif, M. Bheemarasetti, A. Al Emam, A. Kumar, S. Sudhakar, University of Texas Medical Branch, Galveston, TX, USA	355
9	RECANALIZATION OF CHRONIC TOTAL OCCLUSIONS BY A SYSTEM OF HIGH-FREQUENCY VIBRATION <b>L.A. Inigo Garcia</b> , L. Fernandez-Lopez, T. Gil-Jimenez, M. Pombo-Jimenez, M.A. Martinez-Rey, J.F. Munoz-Bellido, O. Sanz-Vazquez, J.R. Siles-Rubio, A. Ramirez-Moreno, F. Ruiz-Mateas, Hospital Costa del Sol, Marbella, MA, Spain	356
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11	PSEUDOANEURYSM OF THE ASCENDING AORTA FOLLOWING RIGHT CORONARY STENTING <b>J. Rubio Alvarez</b> , J. Sierra Quiroga, B. Adrio Nazar, L. Reija Lopez, A. Granda Bauza, J.M. Martinez Cereijo, C. Rubio Taboada University Hospital Santiago de Compostela, Spain Compostela, Spain	358
12	THE POSITIVE INFLUENCE OF EARLY TRAINING IN THE COMFORT LEVEL OF DOING DIAGNOSTIC ANGIOGRAPHY BY RADIAL ACCESS IN COMPARISON TO FEMORAL ACCESS <b>S. Gilani</b> , M. Bheemarasetti, S. Selvin, A. Kumar, A.A. Al Emam, S. Onguti, S. Cherry, A. Charif, W.I. Khalife, University of Texas Medical Branch, Galveston, TX, USA	359
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14	THE EVALUATION OF THE USE OF A LIPID TRACKING MATRIX TO IMPROVE PROVIDER ADHERENCE TO LIPID GUIDELINES <b>D. Ladd</b> , S. McCrone, L. Hardman, Respiratory Motion Inc., USA	361
15	LIPOPROTEIN FRACTIONS AND SUBFRACTIONS AND PROTEASES IN POLOXAMER 407-INDUCED ACUTE LIPEMIA AND ATHEROSCLEROSIS V.M. Loginova, <b>T.A. Korolenko</b> , T.P. Johnston, F.V. Tuzikov, S.Y. Zhanaeva, N.V. Goncharova, Institute of Physiology SB RAMS, Novosibirsk, Russia	362

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Poster Hall

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17	UNVEILING THE MYTH OF THE J-SHAPED RELATIONSHIP BETWEEN BLOOD PRESSURE AND CARDIOVASCULAR RISK <b>R.C. Hermida</b> , D.E. Ayala, A. Mojon, J.R. Fernandez, University of Vigo, Vigo, Spain	364
18	PARTICIPATION OF SENSORY NERVES IN DIFFERENT MODELS OF FRUCTOSE-INDUCED AND NO-DEFICIENT HYPERTENSION V.K. Spiridonov, Z.S. Tolochko, <b>T.A. Korolenko</b> Institute of Physiology, SB RAMS, Novosibirsk, Russia	365
19	SOME ISSUES ON ARTERIAL HYPERTENSION HEALTH CARE SERVICE IN MONGOLIA <b>B. Badrakh</b> , O. Radnaa, C. Ochir, B. Vanchin Health Sciences University of Mongolia, School of Medicine, Mongolia	366
20	SYNERGIC EFFECTS OF LEVAMLODIPINE AND BISOPROLOL ON BLOOD PRESSURE REDUCTION, ORGAN PROTECTION AND STROKE PROTECTION IN RATS <b>G.Z. Huang</b> , Shanghai Sixth People's Hospital, Shanghai, China	367
21	MALIGNANT HYPERTENSION WITH THROMBOTIC MICROANGIOPATHY <b>R. Sekar</b> , Khoo Teck Puat Hospital, Singapore	368
22	IMPACT OF HYPERTENSION ON CARDIAC FUNCTION AND EXERCISE CAPACITY IN WOMEN <b>M.S. Shin</b> , B.R. Kim, J.G. Seo, J.G. Moon, W.J. Chung, T.H. Ahn Gachon University Gil Hospital, Incheon, Korea	369
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Poster Hall

### P405 PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION

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25	IMPACT OF CPAP TREATMENT ON EKG FINDINGS IN PATIENTS WITH SIGNIFICANT OBSTRUCTIVE SLEEP APNEA <b>A.A. Almomani</b> , W.I. Khalifeh, A. Aljaafareh, A. Charif, S. Onguti, M. Alghrouz, S. Jokhio, A. Kumar University of Texas Medical Branch, Galveston, TX, USA	372
26	QRS COMPLEX MORPHOLOGY IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA V. Christos, L. Bacharova, R. Tisko, <b>R. Tkacova</b> International Laser Center, Bratislava, Slovakia	373
27	USE OF A RESPIRATORY VOLUME MONITOR TO ASSESS RESPIRATORY COMPETENCE IN CARDIAC SURGERY PATIENTS AFTER EXTUBATION S. Ianchulev, <b>D. Ladd</b> , C.M. MacNabb, N. Marengi, E. Cho, J. Freeman West Virginia University, Morgantown, WV, USA	374
28	STATINS THERAPY AND THE SEVERITY OF PULMONARY EMBOLISM <b>P. Charoenpong</b> , K. Shahwan, N. Poowanawittayakom, C. Clarke Advocate Illinois Masonic Medical Center, Chicago, IL, USA	375
29	IMPACT OF OBSTRUCTIVE SLEEP APNEA ON THE HEART STRUCTURE BY ECHOCARDIOGRAPHY FINDINGS <b>A.A. Almomani</b> , W.I. Khalifeh, A. Aljaafareh, A. Charif, S. Onguti, M. Alghrouz, S. Jokhio, University of Texas Medical Branch, Galveston, TX, USA	376
30	SILDENAFIL DECREASES PULMONARY HYPERTENSION AFTER ACUTE PULMONARY EMBOLISM IN CHRONIC HYPOXIA <b>R. Mizera</b> , D. Hodyc, J. Herget 2nd Medical School, Charles University, Prague, Czech Republic	377

## SUNDAY, JULY 28, 2013

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Poster Hall

### P406 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT

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32	IGNORE A TICK BITE AT YOUR HEART'S PERIL <b>J.B. Khanagavi</b> , W.S. Aronow, J. Harburger, S. Sule New York Medical College, Valhalla, NY, USA	379
33	DIFFERENTIATING ISCHAEMIC FROM IDIOPATHIC DILATED CARDIOMYOPATHY USING DIFFERENT ULTRASONIC MODALITIES <b>H.S. Taha</b> , H.I. Kandil, H.H. Rizk, M.S. Elguindy Faculty of Medicine, Cairo University, Cairo, Egypt	380
34	AN ASSOCIATION OF TAKOTSUBO CARDIOMYOPATHY AND USE OF ANTIDEPRESSANTS <b>J. Kim</b> , A. Alsherdini, J.S. Chang, G.S. Abela Michigan State University, East Lansing, MI, USA	381
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37	CLINICAL PROFILE, MANAGEMENT, AND OUTCOMES OF PATIENTS WITH CHRONIC HEART FAILURE REFERRED TO A TERTIARY CARE HEART FAILURE CLINIC IN SAUDI ARABIA: SUBSTUDY OF THE HEARTS REGISTRY <b>W.M. Al-Shaqha</b> , A.A. Elasar, K.F. AlHabib Al Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia	384
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Poster Hall

### P407      ADVANCES IN CARDIAC SURGERY / REVASCULARIZATION

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40	CLINICAL OUTCOMES AND IMPACT ON LEFT VENTRICULAR FUNCTION, IN PATIENTS WITH MULTI-VESSEL DISEASE AND SEVERE LV DYSFUNCTION; A COMPARATIVE STUDY OF PERCUTANEOUS CORONARY INTERVENTION VERSUS CORONARY-ARTERY BYPASS GRAFTING: A SINGLE CENTER EXPERIENCE FROM SAUDI ARABIA <b>N. Ejaz Khawaja</b> , M. Ibrahim, M.R. Khalid, A.A. Alassal, S. Alsomali, Z. AlHarfi, M.A. Youssef, S.R. Lawand Prince Salman Heart Centre at King Fahad Medical City, Riyadh, Kingdom of Saudi Arabia	387
41	PERICARDIAL SYNOVIAL SARCOMA: CHALLENGES IN DIAGNOSIS AND MANAGEMENT <b>J.B. Khanagavi</b> , W.S. Aronow, C.A. Puccio, D. Liu, S. Sule New York Medical College, Valhalla, NY, USA	388
42	SUCCESSFUL ASPIRATION AND RHEOLYTIC THROMBECTOMY OF RENAL ARTERY INFARCTS <b>R. Khouzam</b> , R.R. Attia University of Tennessee Health Science Center, Memphis, TN, USA	389





INTERNATIONAL ACADEMY OF CARDIOLOGY  
18th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2013  

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VANCOUVER, BC, CANADA, JULY 26 – 29, 2013

**SCIENTIFIC  
PROGRAM**

Monday, July 29, 2013

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# MONDAY, JULY 29, 2013

08:30 – 10:45

Hall A

**PL14**      **Plenary Session**  
**THE KIDNEY, BLOOD PRESSURE AND HYPERTENSION MANAGEMENT**

Chairs:            **W.S. Aronow**, Valhalla, NY, USA  
                      **A.H. Danser**, Rotterdam, The Netherlands

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | ROLE OF INGESTION-TIME OF RENIN-ANGIOTENSIN BLOCKADE FOR REDUCING BLOOD PRESSURE AND CARDIOVASCULAR RISK (Invited Lecture)<br><b>R.C. Hermida</b> , D.E. Ayala, University of Vigo, Vigo, Spain  | 393 |
| 08:45 | RENAL DENERVATION IN HYPERTENSION AND MORE? (Invited Lecture)<br><b>F. Mahfoud</b><br>Universitätsklinikum des Saarlandes, Homburg/Saar, Germany   | 394 |
| 09:00 | DUAL RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM INHIBITION: TOO MUCH OF A GOOD THING? (Invited Lecture)<br><b>A.H. Danser</b> , Erasmus Medical Center, Rotterdam, The Netherlands   | 390 |
| 09:15 | OPTIMAL BLOOD PRESSURE GOALS IN PATIENTS AT HIGH RISK FOR CARDIOVASCULAR EVENTS (Invited Lecture)<br><b>W.S. Aronow</b> , New York Medical College, Valhalla, NY, USA  | 391 |
| 09:30 | NOVEL TECHNOLOGIES TO MANAGE BLOOD PRESSURE IN PATIENTS WITH AUTONOMIC DYSFUNCTION (Invited Lecture)<br><b>A. Diedrich</b> , F. Baudenbacher, J. Jordan, J. Tank, K. Heusser, S. Raj, D. Robertson, I. Biaggioni<br>Vanderbilt University School of Medicine, Nashville, TN, USA | 392 |
| 09:45 | USE OF AMBULATORY BLOOD PRESSURE MONITOR (ABPM) FOR GUIDING CARDIAC PATIENTS MANAGEMENT (Invited Lecture)<br><b>Y. Charuzi</b> , R. Gao, J. Mirocha, UCLA School of Medicine, CA, USA  | 395 |
| 10:00 | CHRONOTHERAPY WITH LOW-DOSE ASPIRIN FOR PREVENTION OF COMPLICATIONS IN PREGNANCY (Invited Lecture)<br><b>D.E. Ayala</b> , R.C. Hermida, Campus Universitario, Vigo, Spain  | 396 |
| 10:15 | HYPONATREMIA IN PATIENTS WITH ACUTE DECOMPENSATED HEART FAILURE TREATED WITH ULTRAFILTRATION<br><b>J.A. Caballero</b> , I. Dumitru, J.M. Mack, J.R. Windle, B.D. Lowes, E. Rome, E. Raichlin, University of Nebraska Medical Center, Omaha, Nebraska, USA                        | 398 |
| 10:30 | PROCEDURAL PARAMETERS DURING RENAL DENERVATION AND CHANGE OF BLOOD PRESSURE IN PATIENTS WITH RESISTANT HYPERTENSION<br><b>C. Ukena</b> , F. Mahfoud, O. Adam, M. Dalinghoff, B. Cremers, M. Boehm<br>Universitaetsklinikum des Saarlandes, Homburg/Saar, Germany                 | 399 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## MONDAY, JULY 29, 2013

08:30 – 11:00

Hall B

**PL15 Plenary Session**  
**ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE**

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

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | SIMULTANEOUS MEASUREMENT OF MULTIPLE CIRCULATING microRNAs IMPROVES PROGNOSTICATION IN SUBJECTS WITH HEART FAILURE (Invited Lecture)<br>A. Bayes-Genis, J. Lupon, J.J. Leenders, S.J. Pinto-Sietsma,<br><b>Y.M. Pinto</b><br>Heart Centre at the University of Amsterdam, Amsterdam, The Netherlands | 400 |
| 08:45 | A NEW THERAPY FOR DIASTOLIC HEART FAILURE (Invited Lecture)<br>E.M. Jeong, M.M. Monasky, L. Gu, D.M. Taglieri, B.G. Patel, H. Liu,<br>Q. Wang, I. Greener, R.J. Solaro, <b>S.C. Dudley</b><br>University of Illinois at Chicago, Chicago, IL, USA  | 401 |
| 09:00 | PARTIAL ADENOSINE A1-RECEPTOR AGONISTS FOR THE TREATMENT OF HEART FAILURE (Invited Lecture)<br><b>H.N. Sabbah</b> , Henry Ford Heart & Vascular Institute, Detroit, MI, USA  | 402 |
| 09:15 | ENHANCING GLUCOSE OXIDATION AS AN APPROACH TO TREAT HEART FAILURE (Invited Lecture)<br><b>G. Lopaschuk</b> , University of Alberta, Edmonton, AB, Canada   | 403 |
| 09:30 | ULTRAFILTRATION IN THE TREATMENT OF VOLUME OVERLOAD DUE TO HEART FAILURE (Invited Lecture)<br><b>U. Elkayam</b> , University of Southern California, Keck School of Medicine, Los Angeles, CA, USA   | 405 |
| 09:45 | ROLE OF PERITONEAL DIALYSIS IN MANAGEMENT OF HEART FAILURE: AN UPDATE FOR 2013 (Invited Lecture)<br><b>A. Kazory</b> , University of Florida, Gainesville, FL, USA   | 406 |
| 10:00 | CATHETER ABLATION IN PATIENTS WITH ELECTRICAL STORM – BENEFIT OF A CLINICAL NETWORK (Invited Lecture)<br><b>T. Deneke</b> , K. Nentwich, J. Krug, S. Kerber, A. Schade<br>University of Bochum, Bochum, Germany  | 089 |
| 10:15 | BIOMARKER SOLUTIONS FOR HEART FAILURE AND COPD MANAGEMENT (Invited Lecture)<br><b>K. Lam</b> , B.M. McManus<br>PROOF Center of Excellence, Vancouver, BC, Canada   | 407 |

## MONDAY, JULY 29, 2013

<b>PL15</b>	<b>Plenary Session</b> <b>ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE (continued)</b>	
		Abstract No.
10:30	PREDOMINANT DIFFERENTIAL CAUSE OF DYSPNEA IN ATRIAL FIBRILLATION AND COINCIDENT COPD. INFLAMMATION, LATENT ISCHEMIA AND MYOCARDIAL DYSFUNCTION, THROMBOGENESIS, APOPTOSIS AND CARDIOVASCULAR REMODELING OR RESPIRATORY IMPAIRMENT? (Invited Lecture) I. Angomachalelis, G. Kyriazis, <b>N.J. Angomachalelis</b> , Aristotle University, School of Medicine, Thessaloniki, Macedonia, Greece	409
10:45	EFFICACY AND SAFETY OF IVABRADIN IN PATIENTS WITH IDIOPATHIC DILATED CARDIOMYOPATHY (Invited Lecture) <b>S. Chumburidze</b> , Scientific Research Clinic of Therapy, Tbilisi, Rep. of Georgia	410
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

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**08:30 – 11:15**

**Hall C**

<b>S33</b>	<b>Session</b> <b>INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI</b>	
	Chairs: <b>Y. Birnbaum</b> , Houston, TX, USA <b>W. Bommer</b> , Davis, CA, USA	
08:30	BENEFITS AND RISKS OF LONG-TERM DURATION OF DUAL ANTIPLATELET THERAPY AFTER DRUG-ELUTING STENTING: A META-ANALYSIS OF RANDOMIZED TRIALS <b>G. Ferrante</b> , S.J. Park, H.S. Kim, K.W. Park, D.W. Park, M. Valgimigli Istituto Clinico Humanitas, Rozzano, Italy	411
08:45	CHARACTERISTICS OF PATIENTS WITH POST PCI HYPER-RESPONSIVENESS TO CLOPIDOGREL E. Asher, <b>P. Anarado</b> , R. Brauch, A. Ka Chun Chan, M. Mayuga, M. Bradley, D.I. Simon, T. Lassar Case Medical Center, University Hospitals, Cleveland Ohio, USA	412
09:00	CO-EXISTENCE OF HYPO-RESPONSIVENESS TO ASPIRIN AND CLOPIDOGREL IN EMERGENCY ROOM IN PATIENTS WITH CORONARY ARTERY STENTING <b>R.K. Sharma</b> , S.W. Erickson, R. Sharma, H.K. Reddy, D.J. Voelker, H. Dod, V.N. Singh, E.I. Murgasen, J.D. Marsh University of Arkansas for Medical Sciences, Little Rock, AR, USA	413
09:15	ANTIPLATELET DRUG RESISTENCE IN ASIAN POPULATION G. Vijayaraghavan, <b>P. Sadath</b> Kerala Institute of Medical Sciences, Trivandrum, Kerala, India	414

## MONDAY, JULY 29, 2013

S33	Session	Abstract No.
	<b>INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI (continued)</b>	
09:30	BLEEDING COMPLICATIONS WITH PERCUTANEOUS CORONARY INTERVENTION: A COMPARISON OF BIVALIRUDIN AND EPTIFIBATIDE <b>S. Kohli</b> , R.J. Campbell, M.A. Kjelsberg, A.K. Saal Henry Ford Hospital, Detroit, MI, USA	415
09:45	BLEEDING WITH CONCURRENT USE OF ANTICOAGULANTS IN TRANSRADIAL PERCUTANEOUS CORONARY INTERVENTION – THE BART ANALYSIS <b>S. Adusumalli</b> , A.K. Chagarlamudi, M. Patwardhan, G.S. Harris, R. Daggubati East Carolina Heart Institute, Greenville, NC, USA	416
10:00	MRI AND ELECTROCARDIOGRAM IN EVALUATION OF HOMOGENEOUS INFARCT, PATCHY MICROINFARCT AND THE COMBINATION <b>L. Do</b> , M.W. Wilson, J. Murayama, C. Stillson, S.W. Hetts, M. Saeed University of California San Francisco, San Francisco, CA, USA	417
10:15	IMPACT OF RENAL INSUFFICIENCY ON 30-DAY OUTCOMES IN PATIENTS WITH ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION TREATED WITH PRIMARY PERCUTANEOUS CORONARY INTERVENTION <b>K. Sakai</b> , Y. Soga, M. Hyodo, T. Arita, S. Shirai, K. Ando, K. Kondo, H. Yokoi, M. Iwabuchi, M. Nobuyoshi Kokura Memorial Hospital, Kitakyushu, Japan	418
10:30	INDICATIONS AND SURVIVAL OF 90 YEAR OLDS UNDERGOING CORONARY ANGIOGRAPHY S.A. Agha, <b>M.S Sidhu</b> , J. Rollor, J. Brown, S. Conley, N. Niles, D. Malenka, J. Robb Dartmouth Hitchcock Medical Center, Geisel School of Medicine, Lebanon NH, USA	419
10:45	EARLY STRINGENT GLYCEMIC CONTROL IMPROVES REPERFUSION IN PATIENTS WITH ACUTE ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION <b>Y.Y. Abdelmonem</b> , Y. Sharaf, H. Kandil, S. El Tobgi Kasr Alaini Medical School, Cairo, Egypt	420
11:00	COMPARING OUTCOMES IN MYOCARDIAL INFARCTION (NSTEMI) EARLY VERSUS DELAYED LEFT HEART CATHETERIZATION (COMED TRIAL) <b>M.A. Farooqui</b> , S. Adusumalli, G. Harris, R. Daggubati East Carolina University, Greenville, NC, USA	421
11:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	



## MONDAY, JULY 29, 2013

11:15 – 13:15

Hall A

PL16

### Plenary Session

#### CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE AND ACUTE CORONARY SYNDROMES

Chairs: **G.W. Barsness**, Rochester, MN, USA  
**Y. Ueda**, Osaka, Japan

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | THE COMPLICATED STEMI: WHAT TO DO WITH MULTIVESSEL DISEASE (Invited Lecture)<br><b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA   | 422 |
| 11:30 | FFR AT 2013: AN UPDATE (Invited Lecture)<br><b>E. Kaluski</b><br>Guthrie Health Services & NJ Medical School, Sayre, PA, USA   | 423 |
| 11:45 | HIGH SENSITIVITY TROPONINS: A STEP FORWARD OR AN UNREQUESTED COMPLICATION? (Invited Lecture)<br><b>L. M. Biasucci</b> , Policlinico A. Gemelli, Catholic University of the Sacred Heart Largo, Rome, Italy   | 424 |
| 12:00 | WHY ACS OCCURS AND HOW WE CAN PREVENT IT (Invited Lecture)<br><b>Y. Ueda</b> , Osaka Police Hospital, Tennoj-ku, Osaka, Japan  | 425 |
| 12:15 | TRENDS IN MANAGEMENT AND OUTCOME OF PATIENTS WITH ACUTE CORONARY SYNDROMES IN THE LAST DECADE: THE ACS ISRAELI SURVEY (ACSIS) EXPERIENCE (Invited Lecture)<br><b>S. Gottlieb</b> , Jerusalem, Israel   | 426 |
| 12:30 | PREVENTION OF REPERFUSION INJURY IN PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION: THE CGMP PATHWAY (Invited Lecture)<br><b>D. Garcia-Dorado</b> , Vall d'Hebron University Hospital and Research Institute Universitat Autònoma de Barcelona, Barcelona, Spain   | 427 |
| 12:45 | FEMORAL OR RADIAL ACCESS FOR PRIMARY PCI: A DILEMMA OF CHOICE (Invited Lecture)<br><b>A.N. Cheema</b> , St. Michael's Hospital, Toronto, ON, Canada  | 428 |
| 13:00 | PROTECTIVE EFFECT OF TELMISARTAN AGAINST ENDOTHELIAL DYSFUNCTION AFTER CORONARY DRUG-ELUTING STENT IMPLANTATION IN HYPERTENSIVE PATIENTS (Invited Lecture)<br><b>M. Terashima</b> , K. Nasu, H. Kaneda, M. Habara, H. Matsuo, T. Ito, Y. Kinoshita, M. Kimura, T. Suzuki<br>Toyohashi Heart Center, Toyohashi, Japan | 429 |

# MONDAY, JULY 29, 2013

11:15 – 14:00

Hall B

S34

## Session

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

Chair: **G. Lopaschuk**, Edmonton, AB, Canada  
**S. Schaefer**, Davis, CA, USA

Abstract No.

- 11:15 INCIDENT HEART FAILURE MORTALITY ACCORDING TO RACE AND SEX AMONG OLDER ADULTS FROM THE CARDIOVASCULAR HEALTH STUDY **430**  
**S. Parashar**, R. Katz, N.L. Smith, A.A. Arnold, V. Vaccarino, N. Wenger, J.S. Gottdiener, Emory University, Atlanta, Georgia, USA
- 11:30 FACTORS AFFECTING MINNESOTA LIVING WITH HEART FAILURE SCORE **431**  
**V. Mundra**, A. Trombley, R. Kacere  
St John Medical Center, Tulsa, OK, USA
- 11:45 MARKED ELEVATION OF B-TYPE NATRIURETIC PEPTIDE IN PATIENTS WITH HEART FAILURE AND PRESERVED EJECTION FRACTION **432**  
S. Tate, A. Griem, C. Watt, **S. Schaefer**, University of California, Davis USA
- 12:00 RISK FACTORS FOR 30-DAY READMISSION FOR ACUTE DECOMPENSATED HEART FAILURE: A HOSPITAL BASED STUDY **434**  
**R.F. Njoh**, B. Njei, C. Moskowitz, A. Dutta, R. Vidhun, T. Genese  
St. Mary's Hospital, Waterbury, CT, USA
- 12:15 A META-ANALYSIS ON THE EFFECTS OF TOLVAPTAN IN PATIENTS WITH CHRONIC HEART FAILURE **435**  
**P.C. Ines**, F.L. Fernandez, F.L. Catalan, I.L. Celedonio, F.A. Atibagos  
Adult Cardiology, Philippine Heart Center
- 12:30 PROTEINURIA AND RENAL DYSFUNCTION AS PREDICTORS OF DIASTOLIC DYSFUNCTION **437**  
**P. Rodriguez-Lozano**, W.I. Khalife, M. Morsy, S. Mutnuri, A. Khan  
UTMB, Galveston, TX, USA
- 12:45 DIAGNOSTIC VALUE OF N -TERMINAL PROBNP BIOMARKER IN EVALUATION OF CONGESTIVE HEART FAILURE **438**  
**R.K. Sharma**, A. Aggarwal, S.W. Erickson, R. Sharma, D.J. Voelker, H. Dod, H.K.Reddy  
University of Arkansas for Medical Science, Little Rock Arkansas, USA
- 13:00 HYPERKALEMIA AMONG HOSPITALIZED PATIENTS WITH ACE INHIBITORS AND ANGIOTENSIN - II RECEPTOR BLOCKER THERAPY **439**  
**J.B. Khanagavi**, T. Gupta, J. Garg, T. Shah, W.S. Aronow  
New York Medical College, Valhalla, NY, USA
- 13:15 VALUE OF STATINS IN CONGESTIVE HEART FAILURE PATIENTS WITH ELEVATED HIGH SENSITIVITY C-REACTIVE PROTEIN **073**  
**H.S. Taha**, H.G. Elhossary, A.A. Heiba  
Faculty of Medicine, Cairo University, Cairo, Egypt

## MONDAY, JULY 29, 2013

S34

### Session

**HEART FAILURE: NOVEL RISK FACTORS, BIOMARKERS, PREVENTION AND NEW TREATMENT OPTIONS (continued)**

Abstract No.

- 13:30      FACTORS PREDICTING 6 MINUTE WALK TEST IN PATIENTS WITH STABLE HEART FAILURE 436  
**V. Mundra**, A. Trombley, R. Kacere, St. John Medical Center, Tulsa, OK, USA
- 13:45      EPICARDIAL ADIPOSE TISSUE THICKNESS AS ASSESSED BY ECHOCARDIOGRAPHY & DIASTOLIC LEFT VENTRICULAR FUNCTION 433  
**M. Kaushik**, V.M. Alla, A. Saurav, A. Smer, R. Madan, S. Khan, C. Hunter, M. Holmberg, S.M. Mohiuddin  
Creighton University School of Medicine, Omaha NE, USA



**S35**

**Session**

**OBESITY, METABOLIC SYNDROME AND DIABETES, BASIC AND CLINICAL**

Chairs: **A.L. Klatsky**, Oakland, CA, USA  
**J.J. Mahmarian**, Houston, TX, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | SCREENING FOR ASYMPTOMATIC CORONARY ARTERY DISEASE: SEEKING VALUE IN A MULTI-MODALITY WORLD (Invited Lecture)<br><b>J.J. Mahmarian</b> , Methodist DeBakey Heart & Vascular Center, The Methodist Hospital, Houston, TX, USA  | 016 |
| 11:30 | SILENCING CLC-3 PREVENTS APOPTOSIS INDUCED BY PALMITATE IN PREADIPOCYTES THROUGH THE ER STRESS PATHWAY, A POTENTIAL LINK BETWEEN OBESITY AND INSULIN RESISTANCE<br>Y.Y. Huang, J.Y. Du, H.S. Sun, Y.Y. Guan, <b>G.L. Wang</b><br>Sun Yat-sen University, Guangzhou, Guangdong, People's Republic of China                                 | 441 |
| 11:45 | GLUCOSE-INSULIN-POTASSIUM IMPROVES CARDIAC PERFORMANCE VIA INHIBITING HEXOSAMINE BIOSYNTHESIS IN PATIENTS UNDERGOING CARDIOPULMONARY BYPASS<br><b>K. Zhao</b> , F. Fu, Y. Zhang, S.Q. Yu, Z.X. Jin, W.S. Chen, J.C. Liu, Q. Cui, F. Gao, D.H. Yi<br>Xijing Hospital, Fourth Military Medical University, Xi'an, Shannxi, China            | 442 |
| 12:00 | DOES DIABETES CAUSE ATRIAL FIBRILLATION?<br>M.M Ansari, S. Baghi, <b>W. Park</b> , S. Shah, S. Garyali, C. Nedelcu, K. Ong<br>NYP/BHC- Weill Cornell, USA   | 443 |
| 12:15 | EPICARDIAL ADIPOSE TISSUE: PREDICTOR OF METABOLIC SYNDROME IN THE ELDERLY<br><b>M. Wu</b> , Y. Yu, S. Sookhu, J.N. Makaryus, F. Bajwa, A. Supariwala, F.A. Chaudhry, A.N. Makaryus, V. Suma<br>Hofstra North Shore LIJ School of Medicine, Manhasset, NY, USA   | 444 |
| 12:30 | SYNERGISTIC RELATIONSHIP WITH THE RISK OF CARDIOVASCULAR EVENTS BETWEEN DIABETES AND AMBULATORY BLOOD PRESSURE<br><b>R.C. Hermida</b> , D.E. Ayala, A. Mojon, J.R. Fernandez<br>University of Vigo, Vigo, Spain   | 445 |
| 12:45 | GLOBAL LONGITUDINAL STRAIN IS ALTERED IN DIABETES MELLITUS PATIENTS WITH NORMAL EJECTION FRACTION, STRATIFIED BY BMI: A SPECKLE TRACKING ECHOCARDIOGRAPHY STUDY<br><b>V. Di Bello</b> , L. Conte, I. Fabiani, C. Cucco, R. Liga, V. Barletta, C. Bianchi, R. Miccoli, M.G. Delle Donne, M. Mariani<br>University of Pisa, Pisa, PI, Italy | 446 |
| 13:00 | BARIATRIC SURGERY VERSUS NON-SURGICAL TREATMENT FOR OBESITY: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS<br><b>V.L. Gloy</b> , M. Briel, D. Bhatt, S. Kashyap, P. Schauer, G. Mingrone, H.C. Bucher, A.J. Nordmann<br>University Hospital Basel, Switzerland  | 447 |

## MONDAY, JULY 29, 2013

S35

### Session

### OBESITY, METABOLIC SYNDROME AND DIABETES, BASIC AND CLINICAL (continued)

Abstract No.

- |       |   |     |
|-------|---|-----|
| 13:15 | LEVELS OF OXIDATIVE STRESS AND ANTI-OXIDANT STATUS IN DIABETES MELLITUS PATIENTS<br><b>V.S.N. Janaswamy</b> , J. Maddury, M. Manohar, R. Sahay<br>Osmania Hospital, Hyderabad, India  | 448 |
| 13:30 | INDIVIDUALS WITH CORONARY ARTERY DISEASE AT A YOUNG AGE AND FEATURES OF THE METABOLIC SYNDROME HAVE AN INCREASED PROTHROMBOTIC POTENTIAL<br>M.G. Kok, J.C. Meijer, <b>S.J. Pinto-Sietsma</b><br>University of Amsterdam, Academic Medical Centre, Amsterdam, The Netherlands                    | 449 |
| 13:45 | PREVALENCE OF PERIPHERAL ARTERIAL DISEASE (PAD) BY MEANS OF ABI IN ASYMPTOMATIC TYPE II NORTH INDIAN DIABETICS AND ITS CORRELATION WITH CARDIOVASCULAR RISK MARKERS<br><b>R. Kapoor</b> , R. Duggal, S. Kapoor, R. Kapoor<br>Carewell Heart & Superspeciality Hospital, Amritsar, Punjab, India | 450 |
| 14:00 | EFFECT OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR 2 ANTAGONISM ON ADIPOSITY IN OBESE MICE<br><b>H.R. Lijnen</b> , I. Scroyen<br>Center for Molecular and Vascular Biology, KULeuven, Leuven, Belgium  |     |

**P501 VASCULAR BIOLOGY, BASIC RESEARCH**

Board No. Abstract No.

1 CURCUMIN TRINICOTINATE REGULATE THE PROLIFERATION OF VSMCS VIA CAVEOLIN-1/ERK1/2 SIGNALING PATHWAY 451  
W. Yang, T.P. Li, **Q.H. Tuo**, X. Zheng, Z.F. Guo, D.F. Liao  
Hunan University of Chinese Medicine, Changsha, Hunan, China

2 ASSOCIATION BETWEEN CHRONIC PERIODONTITIS AND CORONARY ARTERY DISEASE 452  
J.N. Barbisan, S.M. Zanella, E. Saba-Schujfi, L.S. Vieira, P.S. Sant'Anna, B.H. Suzigan, **I.A. Dossin**, V.B. Pedrozo  
University Foundation of Cardiology, Porto Alegre, RS, Brazil

**P502 CARDIOVASCULAR IMAGING: NUCLEAR CARDIOLOGY, CARDIAC CT AND MRI**

3 ATRIAL FIBRILLATION AND LA-SIZE ARE INDEPENDENTLY CORRELATED WITH THE AMOUNT OF PERICARDIAL ADIPOSE TISSUE 453  
**M. Greif**, F. von Ziegler, R. Wakili, S. Helbig, R.P. Laubender, M. D'Anastasi, A.W. Leber, A. Becker, Klinikum Grosshadern, Bayern, Germany

4 DOES THE EXTENT OF CALCIFIED PLAQUE AFFECT THE PERFORMANCE OF COMPUTED TOMOGRAPHIC CORONARY ANGIOGRAPHY? 454  
**M. Gupta**, B. Jug, J. Papazian, Y. Hacioglu, D. Li, H. Bhatia, R. Karlsberg, M. Budoff  
St. Joseph Mercy Oakland, Pontiac, MI, USA

5 RISK STRATIFICATION WITH CALCIUM SCORING IN PATIENTS WITH SEVERE CHRONIC KIDNEY DISEASE 455  
**F. von Ziegler**, M. Greif, C.R. Becker, M. Fischereeder, S. Massberg, A. Becker  
University of Munich, Grosshadern Campus, Munich, Germany

6 THE ASSOCIATION BETWEEN LEFT VENTRICULAR THROMBUS AND APICAL MYOCARDIAL SCAR IN PATIENTS WITH CARDIOMYOPATHY 456  
**T. Boonyasirinant**, R. Krittayaphong  
Department of Medicine, Siriraj Hospital, Mahidol University, Thailand

7 COMPARISON OF DIAGNOSTIC ACCURACY OF MULTISLICE CT ANGIOGRAPHY WITH CONVENTIONAL CORONARY ANGIOGRAPHY IN BYPASS GRAFT STENOSIS AFTER CORONARY ARTERY BYPASS GRAFT SURGERY 457  
**S.M.H Adel**, M. Noorizadeh, S.H. Majidi, F. Ahmadi, M. Davoodi, M. Esapour Moghadam, S.F.A Tahmasebi, H. Hybar  
Jundishapur University of Medical Sciences, Atherosclerosis Research Center, Ahvaz, Iran

## MONDAY, JULY 29, 2013

08:00 – 13:00

Poster Hall

### P502      **CARDIOVASCULAR IMAGING: NUCLEAR CARDIOLOGY, CARDIAC CT AND MRI (continued)**

Board No.		Abstract No.
8	SINGLE SITE MAXIMUM CORONARY STENOSIS ON CT ANGIOGRAPHY PREDICTS TOTAL CORONARY PLAQUE BURDEN <b>N. Gottam</b> , S. Chakilam, R. Aboufakher, J. Frank, R. Bess, N. Mesiha, H. Rosman, S. Szpunar, G. Cohen St. John Hospital & Medical Center, Detroit, MI, USA	458
9	THE INCREMENTAL PROGNOSTIC VALUE OF A NEGATIVE CARDIAC CT SCAN ON MAJOR ADVERSE CARDIAC OUTCOMES: A SAUDI EXPERIENCE <b>M.M. AlQaseer</b> , T. Chachar, A.K. AlQarni, A.D. Jelani, B.I. Jugdutt King AbdulAziz Hospital, National Guard Health Affairs, AlAhsa, Kingdom of Saudi Arabia	459
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