



INTERNATIONAL  
ACADEMY OF  
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2014  
19th WORLD CONGRESS ON  
**HEART DISEASE**

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BOSTON, MA, USA, JULY 25-28, 2014

**PROGRAM**

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**ANNUAL SCIENTIFIC SESSIONS 2014**  
**19th WORLD CONGRESS ON**  
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**CME Approved by AMA:**

The scientific program of the International Academy of Cardiology, Annual Scientific Sessions 2014, 19th World Congress on Heart Disease, has been reviewed by the American Medical Association and approved for 23.25 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 Boston and to the International Academy of Cardiology, Annual Scientific Sessions 2014, 19<sup>th</sup> World Congress on Heart Disease.*

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

*Many distinguished cardiologists and scientists have joined the faculty and will take part in this Congress. Papers will be presented in the form of plenary sessions, symposia and posters and will include superb scientific material that was carefully selected by the Scientific Abstract Review committee from over 800 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 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 Boston, in July 2014.*

*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 were selected by a very prestigious Awards Committee. The awards for 2014 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
2013	Horst Sievert, Germany

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
2013	Anne A. Knowlton, USA



## 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
2013	Stephen L. Kopecky, USA

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
2013	Kailash N. Pandey, USA

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

1995	Kanu Chatterjee, USA
1996	Shahbudin H. Rahimtoola, USA
1997	Robert A. O'Rourke, USA
2000	A. Jamil Tajik, USA
2002	Daniel S. Berman, USA
2003	David H. Spodick, USA
2005	Shlomo Stern, Israel
2007	George W. Vetrovec, USA
2008	Udho Thadani, USA
2010	Navin C. Nanda, USA
2011	Michael H. Criqui, USA
2012	Barry F. Uretsky, USA
2013	Julius M. Gardin, USA

## INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

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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
2013	Elizabeth Barrett-Connor, USA
2013	Michael E. Cain, USA
2013	Michael H. Criqui, USA





## INTERNATIONAL ACADEMY OF CARDIOLOGY OPENING LECTURES

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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
- 2013 CVD IN WOMEN: A FRESH PERSPECTIVE  
**E.A. Amsterdam**, USA



## ACKNOWLEDGEMENTS

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

### GOLD LEVEL

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### SILVER LEVEL

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

**Steve Adler**

**Tomer Aharon**

**Karin Archer**

**Roland Archer**

**Dror Ben-Tzvi**

**Karen H. Burstein**

**Liron Burstein**

**Cirina Catania**

**Sergey Fedchin**

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

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**Elan Nahari**

**Karyn Nahari**

**Einat Peled**

**Mike Perchig**

**Lu Wu**

The music during the Opening Ceremony is provided with pleasure by musicians from Folie À Quatre, a Boston-based string quartet whose members are clinicians and researchers.

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

## GENERAL INFORMATION

### VENUE AND HEADQUARTERS HOTEL

The Hyatt Regency Boston is the venue and headquarters hotel of the *International Academy of Cardiology Annual Scientific Sessions 2014 19th World Congress on Heart Disease*

Hotel Address:

One Avenue de Lafayette  
Boston, MA 02111, USA  
Tel: +1 617 912 1234  
Fax: +1 617 451 2198

### LANGUAGE

The official language of the Congress is English.

### REGISTRATION DESK

The Registration Desk will operate as follows:

Friday, July 25, 2014	16:00 - 18:30 hours
Saturday, July 26, 2014	08:00 - 18:00 hours
Sunday, July 27, 2014	08:00 - 18:00 hours
Monday, July 28, 2014	08:00 - 14:00 hours

### PROJECTION EQUIPMENT

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

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

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

#### Important note for Macintosh users:

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

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

### 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 25, 2014	18:30 - 20:00 hours
Saturday, July 26, 2014	10:00 - 17:00 hours
Sunday, July 27, 2014	10:00 - 17:00 hours
Monday, July 28, 2014	10:00 - 13:00 hours

### **ATTENDANCE CERTIFICATES**

A Certificate of Participation will be provided on registration in your registration pack.

### **GET-TOGETHER RECEPTION**

Registered participants are invited to the Get-Together Reception, which will take place on the Outdoor Terrace, on the Main Lobby Level of the Hyatt Regency Boston on Friday, July 25, 2014, between 18:30 – 20:00 hours.

### **FAREWELL DINNER (Optional)**

The Farewell Dinner will take place on Sunday, July 27, 2014 at 20:00. Tickets to the dinner are sold-out and no more tickets may be purchased.

### **AMA CME**

We are pleased to announce that the scientific program of the International Academy of Cardiology, Annual Scientific Sessions 2014, 19th World Congress on Heart Disease has been approved for 23.25 *AMA-PRA Category 1 Credits*™.

### **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 International Academy of Cardiology, Annual Scientific Sessions 2014, 19th World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.

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Annual Scientific Sessions 2014  
19th World Congress on Heart Disease  
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E-mail: klimedco@ucla.edu  
Website: www.CardiologyOnline.com

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#### **CARDIOLOGY ONLINE**

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Tel: +1 310 657 8777; Fax: +1 310 659 4781  
E-mail: klimedco@ucla.edu  
Website: www.CardiologyOnline.com

## SOCIAL PROGRAM

**FRIDAY, JULY 25, 2014**

GET-TOGETHER RECEPTION 18:30 – 20:00

Get-Together Reception on the Outdoor Terrace, on the Main Lobby Level of the Hyatt Regency Boston



**SUNDAY, JULY 27, 2014**

20:00

FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Sunday, July 27, 2013 at 20:00.  
Tickets to the dinner are sold-out and no more tickets may be purchased.



## LIST OF EXHIBITORS

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

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Established in 1964, Otsuka Pharmaceutical is a total healthcare company. In keeping with its corporate philosophy of “Otsuka-people creating new products for better health worldwide”, it aims to treat illness and sustain day-to-day well-being. With a pharmaceutical business that provides breakthrough treatments for patients around the world, and a nutraceutical business that helps healthy people get even healthier, Otsuka Pharmaceutical researches, develops, produces and sells highly innovative and creative products.

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INTERNATIONAL  
ACADEMY OF  
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2014  
19th WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 25-28, 2014

**SCIENTIFIC  
PROGRAM**  
SATURDAY, JULY 26, 2014

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## SATURDAY, JULY 26, 2014

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09:00 – 10:15

Grand Ballroom

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**OC:**

OPENING CEREMONY

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

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Chairman, Scientific Executive Committee

Chairman, Section of Valvular Heart Disease

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**John B. Gordon**, USA

President, California Chapter of the American College of Cardiology

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International Academy of Cardiology

PRESENTATION OF 2014 AWARDS

**Jeffrey S. Borer**, USA

**John A. Elefteriades**, USA

## SATURDAY, JULY 26, 2014

09:35 – 10:15

Grand Ballroom

### OPENING LECTURE – EIGHTH 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 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS,  
BIOLOGY, OR BOTH? (Invited Lecture)

072

**N.K. Wenger**, Emory University School of Medicine, Atlanta, GA, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 12:45

Grand Ballroom

### PL01 Plenary Session

#### NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES

Chairs: **H.N. Sabbah**, Detroit, MI, USA  
**P.K. Singal**, Winnipeg, MB, Canada

10:45 THE INTERACTIVE ROLE OF CYTOKINES IN CARDIOMYOCYTE  
SURVIVAL (Invited Lecture)

001

**P.K. Singal**, St. Boniface Hospital Research Centre, Winnipeg, MB, Canada

11:00 MITOCHONDRIAL DIVISION/MITOPHAGY INHIBITOR (MDIVI)  
AMELIORATES PRESSURE OVERLOAD INDUCED HEART FAILURE  
(Invited Lecture)

002

**S.C. Tyagi**, University of Louisville School of Medicine, Louisville, KY, USA

11:15 IMPROVING ENERGY SUPPLY TO MEND A SICK HEART (Invited Lecture)

003

S. Wu, T. Kim, J. Luo, L. He, Q. Long, Y. Ding, D. Moellering, **Q. Yang**  
University of Alabama at Birmingham, Birmingham, AL, USA

11:30 EFFECTS OF LONG-TERM THERAPY WITH BENDAVIDA (MTP-131),  
A NOVEL MITOCHONDRIA-TARGETING PEPTIDE, ON SKELETAL MUSCLE FIBER  
TYPE COMPOSITION IN DOGS WITH CHRONIC HEART FAILURE  
(Invited Lecture)

004

**H.N. Sabbah**, Henry Ford Heart & Vascular Institute, Detroit, MI, USA

11:45 ROLE OF OXIDATIVE PROTEIN MODIFICATIONS IN REGULATING KINASE  
PATHWAYS IN HEART FAILURE: ROLE IN THERAPY (Invited Lecture)

005

S. Wang, **J. Van Eyk**, Johns Hopkins University, Baltimore, MD, USA

12:00 MOLECULAR TARGETING OF DILATED CARDIOMYOPATHY (Invited Lecture)

006

**B.S. Tuana**, J. Majors, M. Salih  
University of Ottawa Heart Institute, Ottawa, Canada

12:15 TRANSLATING T3 TREATMENT OF HEART FAILURE FROM BENCH TO  
BEDSIDE: FINALLY, A SAFE TREATMENT/MONITORING PROTOCOL  
THAT SHOULD WORK! (Invited Lecture)

007

**A.M. Gerdes**, New York Institute of Technology, Old Westbury, NY, USA

## SATURDAY, JULY 26, 2014

**PL01 Plenary Session**  
**NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF**  
**CARDIOMYOPATHIES (cont.)**

Abstract No.

- 12:30 DIFFERENCE IN SERUM AMYLOID A LEVELS BETWEEN PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION OF ISCHEMIC AND NON ISCHEMIC ORIGIN 008  
(Invited Lecture)  
D. Anzulovi-Miroševi, M. Zaninotto, M.M. Mion, M. Plebani, **S. Dalla-Volta**  
University of Padua Medical School, Italy
- 12:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 26, 2014

10:45 – 13:30

Martha's Vineyard

### PL02 Plenary Session

#### ADVANCES IN CARDIOVASCULAR IMAGING

Chairs: **D.S. Berman**, Los Angeles, CA, USA  
**N.C. Nanda**, Birmingham, AL, USA

Abstract No.

10:45	ECHOCARDIOGRAPHY: PAST, PRESENT AND FUTURE (Invited Lecture) <b>N.C. Nanda</b> , University of Alabama at Birmingham, Birmingham, AL, USA	009
11:00	PRESENT AND FUTURE OF NUCLEAR CARDIOLOGY AND CARDIAC CT IN CAD: VALUE-BASED IMAGING (Invited Lecture) <b>D.S. Berman</b> , Cedars Sinai Medical Center, Los Angeles, CA, USA	010
11:15	STRESS-ONLY IMAGING; A NEW PARADIGM FOR PERFORMING STRESS MYOCARDIAL PERFUSION IMAGING (Invited Lecture) <b>J.J. Mahmarian</b> , Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA	011
11:30	IMAGING ACE AND ANGIOTENSIN RECEPTORS IN THE HEART (Invited Lecture) <b>J. Shirani</b> , St. Luke's Hospital and Health Network, Bethlehem, PA, USA	012
11:45	HAND HELD CARDIAC ULTRASOUND: ROLE IN CLINICAL PRACTICE (Invited Lecture) <b>P.A. Pellikka</b> , Mayo Clinic College of Medicine and Mayo Foundation, Rochester, MN, USA	013
12:00	IMPACT OF CORONARY CT ANGIOGRAPHY ON PATIENT MANAGEMENT AND CARDIOVASCULAR OUTCOMES: HOW TO INTEGRATE TEST RESULTS IN PATIENT CARE (Invited Lecture) <b>R. Blankstein</b> , Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA	014
12:15	FUNCTIONAL AND ANATOMICAL CARDIAC IMAGING IN PATIENTS WITH CORONARY ARTERY STENTS (Invited Lecture) <b>A. Elhendy</b> , Marshfield Clinic, Marshfield, WI, USA	015
12:30	DIAGNOSTIC AND PROGNOSTIC ROLE OF NONINVASIVE CORONARY FLOW RESERVE (Invited Lecture) <b>Q. Ciampi</b> , C. Manicardi, B. Villari, Fatebenefratelli Hospital, Benevento, Italy	016
12:45	CARDIAC MAGNETIC RESONANCE IMAGING FOR CORONARY ARTERY DISEASE (Invited Lecture) <b>F. Sozzi</b> , Ospedale Maggiore Policlinico, Italy	017
13:00	FRACTIONAL FLOW RESERVE (Invited Lecture) <b>J.A. Garcia</b> , Denver Health Medical Center, Denver, CO, USA	018

## SATURDAY, JULY 26, 2014

10:45 – 13:30

Martha's Vineyard

**PL02 Plenary Session**

**ADVANCES IN CARDIOVASCULAR IMAGING (cont.)**

Abstract No.

13:15 PROGNOSTIC VALUE OF MICROVASCULAR OBSTRUCTION ON  
MULTIDETECTOR COMPUTED TOMOGRAPHY AFTER PRIMARY  
PERCUTANEOUS CORONARY INTERVENTION IN ACUTE  
MYOCARDIAL INFARCTION  
(Invited Lecture)

019

**K. Okumura**, S. Ogasawara, H. Mukawa, T. Sone, H. Tsuboi, I. Morishima,  
M. Uesugi, E. Matsushita, Y. Morita, T. Murohara  
Toki Municipal General Hospital, Toki, Japan

13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 26, 2014

10:45 – 13:00

Nantucket

### PL03 Plenary Session

#### NOVEL THERAPIES FOR ATHEROSCLEROSIS

Chairs: **C.H. Hennekens**, Boca Raton, FL, USA  
**R.S. Rosenson**, New York, NY, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 10:45 | GUIDING PRINCIPLES IN STATIN UTILIZATION: EMERGING CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)<br><b>C.H. Hennekens</b> , Florida Atlantic University, Boca Raton, FL, USA   | 020 |
| 11:00 | HDL AND THE HDL HYPOTHESIS: WHERE DO WE STAND NOW? (Invited Lecture)<br><b>W.E. Boden</b> , Samuel S. Stratton VA Medical Center, Albany, NY, USA  | 021 |
| 11:15 | TRANSLATION OF HDL FUNCTIONALITY IN CLINICAL PRACTICE (Invited Lecture)<br><b>R.S. Rosenson</b> , Mount Sinai School of Medicine, New York, NY, USA  | 022 |
| 11:30 | RESIDUAL VASCULAR RISK AFTER STATIN THERAPY: THE PROMISE OF NOVEL LIPOPROTEIN BIOMARKERS (Invited Lecture)<br><b>S. Mora</b> , Brigham and Women's Hospital, Boston, MA, USA   | 023 |
| 11:45 | NEW AVENUES IN THE FIGHT AGAINST ATHEROSCLEROSIS (Invited Lecture)<br><b>S. Lehoux</b> , McGill University, Montreal, QC, Canada   | 024 |
| 12:00 | BIOPHYSICS OF MYELOPEROXIDASE INTERACTIONS WITH HDL: AN INDEX OF FUNCTIONALITY? (Invited Lecture)<br><b>K.A. Pritchard Jr.</b> , D. Sahoo, A. Chadwick, T. Zaman, H. Zhang, H. Xu, M. Sorci-Thomas, Medical College of Wisconsin, Milwaukee, WI, USA   | 025 |
| 12:15 | LDL CARBAMYLATION IN CHRONIC UREMIA: IS THERE A ROLE FOR MYELOID PEROXIDASE? (Invited Lecture)<br><b>A.G. Basnakian</b> , E.O. Apostolov, O.K. Karaduta, D. Ray, S.T. Burns, A.V. Savenka, M.L. Eigenbrodt, S.V. Shah<br>University of Arkansas for Medical Sciences, Little Rock, AR, USA   | 026 |
| 12:30 | RANDOMIZED PHASE II TRIAL TO ASSESS SAFETY AND EFFICACY OF CAPRE IN MILD-TO-SEVERE HYPERTRIGLYCERIDEMIC PATIENTS<br>T. Sampalis, Y. Pesant, J. Pouliot, Y. Gonzalez, R. Dufour, J.S. Sampalis,<br><b>P. Lemieux</b> , F. Amiri, H.W. Waksal, J. Davignon<br>Acasti Pharma, Laval, QC, Canada | 027 |
| 12:45 | INFLUENCE OF STATINS ON CIRCULATING MICRORNAs DURING PROLONGED AEROBIC EXERCISE<br><b>P. Min</b> , S. Isaacs, B.A. Parker, P.D. Thompson, C. Troyanos, P. D'Hemecourt, S. Dyer, A.L. Baggish, S.Y. Chan<br>Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA             | 028 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

# SATURDAY, JULY 26, 2014

10:45 – 13:00

Adrienne Salon

**S21 Session**  
**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE**

Abstract No.

Chairs: **N.E. Bowles**, Salt Lake City, UT, USA  
**M. Sadiq**, Lahore, Pakistan

- 10:45 CHEST COMPRESSIONS DURING SUSTAINED INFLATIONS: A NOVEL TECHNIQUE OF NEONATAL RESUSCITATION THAT IMPROVES RECOVERY AND SURVIVAL IN A NEONATAL PORCINE MODEL **029**  
**G.M. Schmolzer**, M. O'Reilly, J. LaBossiere, T.Z. Lee, S. Cowan, D.L. Bigam, P.Y. Cheung  
University of Alberta, Edmonton, Alberta, Canada
- 11:00 CARDIAC FINDINGS IN NOONAN SYNDROME ON LONG-TERM FOLLOW-UP **030**  
**J.A. Noonan**, J.L. Colquitt, University of Kentucky, Lexington, KY, USA
- 11:15 ECHOCARDIOGRAPHIC ASSESSMENT OF UNICUSPID AORTIC VALVE **031**  
**C.D. Janish**, E.R. Fenstad, C.M. Witt, G.C. Kane, P.A. Pellikka  
Mayo Clinic, Rochester, MN, USA
- 11:30 PROGNOSIS FOR PATIENTS WITH HEART FAILURE AFTER PALLIATIVE SURGERY FOR SINGLE VENTRICLE CARDIAC DISEASE **032**  
**M.G. Foulks**, C.S. Herrington, R.M.L. Meyer, V.A. Starnes, W.J. Wells, K. Kallin, J.I. Gold, J.D. Menteeer  
Keck School of Medicine of the University of Southern California, Los Angeles, CA, USA
- 11:45 IMPROVED RESYNCHRONIZATION PACING EFFICACY AMONG CONGENITAL HEART DISEASE PATIENTS WITH REFRACTORY HEART FAILURE **033**  
**P.P. Karpawich**, Y. Sanil, N. Bansal, K. Zelin, H. Singh  
The Children's Hospital of Michigan, Wayne State University, Detroit, MI, USA
- 12:00 VELOCITY TIME INTEGRAL OF THORACIC AORTA: A MEASURE TO ASSESS SYSTOLIC FUNCTION OF THE SYSTEMIC RIGHT VENTRICLE IN PATIENTS WITH TRANSPOSITION OF THE GREAT VESSELS **034**  
**R. Ranjan**, E. Gucuk Ipek, I.S. Harris  
University of California, San Francisco, CA, USA
- 12:15 PREDICTION OF PULMONARY REGURGE AND RIGHT VENTRICULAR FUNCTION IN ASYMPTOMATIC REPAIRED TETRALOGY OF FALLOT PATIENTS IN DEVELOPING COUNTRIES; A COMPARISON TO CARDIAC MRI **035**  
H. Agha, **D. Mahgoub Aly**, F. Alzahraa Mostafa, A. Essam, Y. Kamal, G. Hussein, H. El- Kiky, M. Abdel-Raouf  
Cairo University Hospitals, Pediatric Cardiology, Cairo, Egypt



## SATURDAY, JULY 26, 2014

10:45 – 13:00

Adrienne Salon

**S21**      **Session**  
**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY,**  
**CONGENITAL HEART DISEASE (cont.)**

Abstract No.

- 12:30      ISOPROTERENOL-ASSOCIATED RISK STRATIFICATION FOR SUDDEN DEATH AMONG PEDIATRIC PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME: LOCATION-BASED ACCESSORY PATHWAY REFRACTORY PERIODS 036  
**A. Bharmanee**, H.R. Singh, P.P. Karpawich  
The Children's Hospital of Michigan-Wayne State University, Detroit, MI, USA
- 12:45      INDEXES OF MYOCARDIAL REPOLARIZATION ARE ASSOCIATED WITH LEFT TO RIGHT SHUNTS IN VENTRICULAR SEPTAL DEFECT 037  
**H. Uchida**, M. Nishio, Y. Eryu, T. Watanabe, T. Hata  
Fujita Health University, Toyoake, Japan
- 13:00      LUNCH BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

### P101 THE PLAQUE AND ACUTE CORONARY SYNDROMES

Board No.		Abstract No.
1	ELECTROCARDIOGRAPHIC CHANGES, TROPONIN ELEVATION AND LENGTH OF STAY AMONG COCAINE USERS ADMITTED FOR CHEST PAIN <b>F. Garcia Trobo</b> , A. Barbagelata, B. Manduca, F. Visco, G. Pekler New York Medical College, New York, NY, USA	038
2	PLASMA SEROTONIN AND PLATELET AGGREGATION RESPONSE TO COLLAPSE AS A PREDICTOR OF ADVERSE EVENTS <b>T. Nantsupawat</b> , J. Simoni, G. Simoni, G. Sutamtewagul, C. Mankongpaisarnrung, J. Suarez, L.A. Jenkins Texas Tech University Health Sciences Center, Lubbock, TX, USA	039
3	DECADES AFTER TAKOTSUBO M.U. Farooq, <b>W.Q. Fan</b> , T. Aung, N. Singh, K. Khalighi Easton Hospital, Easton, PA, USA	040

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

4	DELAYED REDUCTION IN CYSTATIN C-BASED GFR AFTER PCI IS A PREDICTOR OF ADVERSE OUTCOMES IN PATIENTS WITH PRESERVED RENAL FUNCTION <b>Y.G. Ko</b> , H.B. Park, D.H. Shin, J.S. Kim, B.K. Kim, D. Choi, M.K. Hong, Y. Jang Severance Cardiovascular Hospital, Yonsei University Health System, Seoul, Korea	041
5	POST STEMI LEFT VENTRICULAR EJECTION FRACTION AND INFARCT SIZE ESTIMATION – ARE SERUM TROPONIN T LEVELS HELPFUL?? <b>S. Shakeel</b> , Z. Ali, S. Tufail, M.I.H. Khan, I.H. Toor, G.N. Tayyab Postgraduate Medical Institute, Ameer Ud Din Medical College, Lahore, Pakistan	042
6	DOES PRIOR ASPIRIN USE PREDICT THE DEGREE OF PEAK TROPONIN LEVELS IN PATIENTS WITH ACUTE CORONARY SYNDROME? <b>H.A. Bhatt</b> , D.R. Sanghani, M.B. Perini, G.A. Fernaine Lutheran Medical Center, Brooklyn, NY, USA	043
7	PLASMA PRO-BNP IS NOT A SPECIFIC MARKER FOR TRANSIENT MYOCARDIAL ISCHEMIA <b>K. Maqsood</b> , J.R. Cook, G.R. Giugliano, A. Lotfi Baystate Medical Center, Tufts University School of Medicine, Springfield, MA, USA	044
8	INCREMENTAL VALUE OF HIGH SENSITIVITY TROPONIN IN ACUTE CORONARY SYNDROME <b>A.P. Sadath</b> , G.V. Raghavan, Kims Hospital, Trivandrum, Kerala, India	045

## SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

### P103 ANTIPLATELET AND ANTITHROMBOTIC THERAPIES IN ACUTE CORONARY SYNDROMES

Board No.		Abstract No.
9	<p>SAFETY OF ADJUNCTIVE ANTICOAGULATION DURING PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH THERAPEUTIC ORAL ANTICOAGULATION</p> <p>I. Ahmed, <b>S.J. Voyce</b>, I. Pallekonda The Wright Center for Graduate Medical Education, Scranton, PA, USA,</p>	046
10	<p>ESTIMATING THE CLINICAL VALUE OF CANGRELOR IN PATIENTS UNDERGOING PCI</p> <p><b>I.S. Jensen</b>, C. Wu, C.B. Bay, P.L. Cyr, ICON Health Economics, Cambridge, MA, USA</p>	047
11	<p>COMPLICATIONS OF INTRACORONARY ABCIXIMAB BOLUS-ONLY VERSUS STANDARD PROTOCOL DURING PERCUTANEOUS CORONARY INTERVENTION IN ACUTE CORONARY SYNDROME</p> <p><b>M.T. Shakoor</b>, S. Ayub, S. Dhakam, Baystate Medical Center, Springfield, MA, USA</p>	048
<b>P104 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL</b>		
12	<p>MEDITERRANEAN DIET, ADIPONECTIN LEVELS, GENETIC POLYMORPHISMS AND INCIDENCE OF CARDIOVASCULAR DISEASES IN THE PREDIMED-VALENCIA STUDY</p> <p><b>D. Corella</b>, C. Ortega-Azorín, J.V. Sorlí, O. Portolés, E.M. Asensio, C. Saiz, . R Osma, P. Guillem-Saiz, J.I. González, O. Coltell CIBER Fisiopatología de la Obesidad y Nutrición, Instituto de Salud Carlos III, Madrid, Spain</p>	049
13	<p>RELATIONSHIP BETWEEN ADMISSION BLOOD GLUCOSE LEVEL AND LONG-TERM CLINICAL OUTCOME IN ACUTE MYOCARDIAL INFARCTION</p> <p><b>T. Nunohiro</b>, M. Kurobe, K. Minami, S. Furudono, K. Amenomori, K. Uchida, S. Takeshita, H. Nakashima Nagasaki Citizens Hospital, Nagasaki, Japan</p>	050
14	<p>DO WE REACH BETTER LIPID CONTROL IN DIABETIC PATIENTS AFTER PERCUTANEOUS CORONARY INTERVENTION?</p> <p><b>A. Martínez-Rubio</b>, E. Bosch-Peligero, M. Bonet-Alvarez, R. Flores-Clotet, M. DiazNuila-Alcazar, M. Santalo-Corcoy, E. Agut-Busquet, D. Valcarcel-Paz, J.C. Oliva-Morera, J Guindo-Soldevila University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain</p>	051

## SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

### P104 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL (cont.)

Board No.		Abstract No.
15	PROGNOSTIC VALUE OF CLINIC AND AMBULATORY BLOOD PRESSURE MEASUREMENTS FOR PREDICTING THE RISK OF DEVELOPING DIABETES <b>R.C. Hermida</b> , D.E. Ayala, A. Mojon, J.R. Fernandez University of Vigo, Vigo, Spain	052
16	INFLUENCE OF TIME OF DAY OF BLOOD PRESSURE-LOWERING TREATMENT ON THE RISK OF DEVELOPING NEW-ONSET DIABETES <b>R.C. Hermida</b> , D.E. Ayala, A. Mojon, J.R. Fernandez University of Vigo, Vigo, Spain	053
17	THE ASSOCIATION OF EDUCATION AND OBESITY AS DETERMINANTS OF PULSE PRESSURE IN A DIABETIC POPULATION <b>H. Aggarwal</b> , J. Liu Brock University, St. Catharines, ON, Canada	054
18	THE RELATIONSHIP BETWEEN JOB ENRICHMENT AND ABDOMINAL OBESITY: A LONGITUDINAL FIELD STUDY OF APPARENTLY HEALTHY INDIVIDUALS Y. Fried, G.I. Laurence, A. Shirom, S. Melamed, S. Toker, S. Berliner, <b>I. Shapira</b> Tel Aviv Sourasky Medical Center, Tel Aviv, Israel	055
19	PREVALENCE OF CORONARY ATHEROSCLEROSIS IN AN ASIAN POPULATION: FINDINGS FROM CORONARY CT ANGIOGRAPHY <b>S.M. Jung</b> , G.M. Park, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, Y.H. Kim Daejeon St. Mary's Hospital, the Catholic University of Korea, Daejeon, Korea	056
20	IT CAN BE DONE: REDUCTION OF OBESITY & CARDIOVASCULAR DISEASE RISK IN A HIGH RISK POPULATION BY LIFESTYLE CHANGES <b>O.S. Randall</b> , J. Kwagyan, M. Ketete, C. Bettencourt, A.R. Maqbool, S. Xu Howard University College of Medicine, Washington, DC, USA	057
21	OPTIMAL CUTOFF OF WAIST CIRCUMFERENCE AND WAIST TO HIP RATIO FOR THE KOREAN POSTMENOPAUSAL WOMEN <b>H-S. Kim</b> , H-R. Kim College of Nursing, The Catholic University, Seoul, Korea	058

## SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

### P105 PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION

Board No.		Abstract No.
22	EXPERIENCE WITH VENO-VENOUS ECMO IN PATIENTS WITH SEVERE ARDS_ <b>T. Strecker</b> , J. Roesch, F. Muench, M. Weyand Friedrich-Alexander-University Erlangen-Nuremberg, Center of Cardiac Surgery, Germany	059
23	OBESITY IN PULMONARY ARTERIAL HYPERTENSION: IMPACT OF BODY MASS INDEX (BMI) ON SEVERITY AND OUTCOME <b>J. Nichols</b> , D. Wilcox, R. Foley, D. Datta University of Connecticut Health Center, Farmington, CT, USA	060
24	CORRELATION BETWEEN PULMONARY ARTERY DIAMETER AND MEAN PULMONARY ARTERY PRESSURE IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH SCLERODERMA <b>J.H. Nichols</b> , E. Kaloudis, D. Datta, R. Foley University of CT Health Center, Farmington, CT, USA	061
25	PROCESS/OUTCOME MEASURES OF ADULT VENOUS THROMBOEMBOLUS (VTE) & PULMONARY EMBOLUS (PE) PROPHYLAXIS <b>D.T. Gray</b> Agency for Healthcare Research and Quality, Rockville, MD, USA	062
26	RIGHT VENTRICULAR MYOCARDIAL STRAIN TO QUANTIFY DYSFUNCTION IN SUBMASSIVE PULMONARY EMBOLISM <b>A.B. Malone</b> , L.L. Eberhart, A.M. Cook, R.C. Phillion, M.F. Knox, D.E. Langholz Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA	063

### P106 CARDIOVASCULAR ASPECTS IN RENAL DISEASE

27	HIGHER CYSTATIN C LEVEL PREDICTS CONTRAST INDUCED NEPHROPATHY IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE WITH PRESERVED NORMAL KIDNEY FUNCTION <b>Y.G. Ko</b> , G.S. Kim, D.H. Shin, J.S. Kim, B.K. Kim, D. Choi, M.K. Hong, Y. Jang Severance Cardiovascular Hospital, Yonsei University Health System, Seoul, Korea	064
28	EFFECT OF SEMAPHORIN 3C ON ENDOTHELIAL-TO-MESEMCHYMAL TRANSITION IN POLYCYSTIC KIDNEY DISEASE B.H. Kim, J.Y. Ko, <b>J.H. Park</b> Sookmyung Women's University, Seoul, South Korea	065

## SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

### P107 SYNCOPE AND SUDDEN DEATH: RISK ASSESSMENT AND MANAGEMENT

Board No.		Abstract No.
29	ADMISSION POTASSIUM AND PH AS OUTCOME PREDICTORS IN OUT-OF-HOSPITAL CARDIAC ARREST PATIENTS TREATED WITH THERAPEUTIC HYPOTHERMIA <b>Y. Ji</b> , M. Sidhu, M. Torosoff Albany Medical College, Albany, NY, USA	066
30	UTILITY OF T-WAVE-ALTERNANS AND HEART RATE VARIABILITY FOR RISK ASSESSMENT IN BRUGADA SYNDROME <b>S. Sakamoto</b> , M. Takagi, H. Tatsumi, A. Doi, M. Yoshiyama Osaka City University Graduate School of Medicine, Osaka City, Japan	067
31	THE IMPACT OF VASOPRESSOR AND/ OR INOTROPE USE DURING THERAPEUTIC HYPOTHERMIA ON NEUROLOGIC OUTCOME IN CARDIAC ARREST DUE TO SHOCKABLE RHYTHM <b>C. Parks</b> , S.U. Nair, J. Lundbye University of Connecticut School of Medicine, Farmington, CT, USA	068
32	A POTENT DOMINANT NEGATIVE MUTATION IN HERG IN A CHINESE FAMILY EXPERIENCING LONG QT SYNDROME, EPILEPSY, AND UNEXPECTED SUDDEN DEATH <b>G.L. Li</b> , J.E. Wu, W.Q. Han, S.T. Ma, A.F. Zhang, G. Cheng, X.X. Xue, C.F. Sun The First Affiliated Hospital, Xi'an Jiaotong University College of Medicine, Xi'an, Shaanxi, China	069
33	SUDDEN CARDIAC DEATH IN SUB-SAHARAN AFRICA: PERSPECTIVES FROM UNIVERSITY OF MAIDUGURI TEACHING HOSPITAL, NIGERIA <b>M.A. Talle</b> , B. Bakki, F. Buba, C.O. Anjorin, H. Yusuph, A. Kane, A. Bonny University of Maiduguri Teaching Hospital, Maiduguri, Borno, Nigeria	070
34	TRANSIENT EPISODES OF UNRESPONSIVENESS IN A PATIENT ON METHADONE S. Kanneganti, <b>B. Khalighi</b> , K. Khalighi Easton Hospital, Easton, PA, USA	071

## SATURDAY, JULY 26, 2014

14:00 – 16:15

Grand Ballroom

**PL04 Plenary Session**

**CARDIOVASCULAR DISEASE PREVENTION AND RISK FACTORS**

*Joint Session with the American Society for Preventive Cardiology*

Chairs: **L.S. Sperling**, USA  
**N.D. Wong**, US

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | TIME TO FOCUS ON CARDIOVASCULAR HEALTH (NOT CV DISEASE) (Invited Lecture)<br><b>L.S. Sperling</b> , Emory University School of Medicine, Atlanta, GA, USA  | 073 |
| 14:15 | NEW GUIDELINES ON CARDIOVASCULAR RISK ASSESSMENT (Invited Lecture)<br><b>N.D. Wong</b> , University of California, Irvine, CA, USA   | 074 |
| 14:30 | RISK FACTORS FOR CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE (Invited Lecture)<br><b>M.A. Alpert</b> , University of Missouri- Columbia School of Medicine, Columbia, MO, USA                 | 075 |
| 14:45 | THE INFLUENZA VACCINE- PREVENTING CARDIOVASCULAR EVENTS IN HIGH-RISK PATIENTS (Invited Lecture)<br><b>M.E. Farkouh</b> , Toronto General Hospital, Toronto, ON, Canada   | 076 |
| 15:00 | TWENTY YEARS OF C-REACTIVE PROTEIN IN CARDIOLOGY: STILL AN APPEALING MARKER OF DISEASE? (Invited Lecture)<br><b>L.M. Biasucci</b> , Policlinico A. Gemelli, Catholic University of the Sacred Heart, Rome, Italy | 077 |
| 15:15 | ASSOCIATION BETWEEN OBSTRUCTIVE SLEEP APNEA AND CORONARY ARTERY DISEASE (Invited Lecture)<br><b>A. Tamura</b> , Oita University, Yufu, Japan   | 078 |
| 15:30 | INTEGRATIVE AND COMPLEMENTARY MEDICINE IN CARDIOLOGY: NEW HOPE OR JUST HIP AND HYPE? (Invited Lecture)<br><b>F.V. Mody</b> , VA Greater Los Angeles HCS, CA, USA   | 079 |
| 15:45 | WOMEN AND HEART DISEASE: UPDATE ON PREVENTION (Invited Lecture)<br><b>S. Malik</b> , UC Irvine, CA, USA  | 080 |
| 16:00 | ASSOCIATION BETWEEN SERUM VITMAIN D LEVELS AND ATHEROSCLEROSIS: A META ANALYSIS<br><b>P. Agasthi</b> , S. Levis-Dusseau, L. Tamariz, University of Miami, Miami, Florida, USA                                    | 081 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SATURDAY, JULY 26, 2014

14:00 – 16:15

Martha's Vineyard

**PL05 Plenary Session**

**PREDICTION AND PREVENTION OF SUDDEN CARDIAC DEATH**

Chairs: **M.E. Cain**, Buffalo, NY, USA

**A.B. Curtis**, Buffalo, NY, USA

Abstract No.

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|-------|--|-----|
| 14:00 | POTENTIAL THERAPY FOR THE PREVENTION OF SUDDEN CARDIAC DEATH (Invited Lecture)<br><b>N.S. Dhalla</b> , St. Boniface General Hospital Research Centre, University of Manitoba, Winnipeg, Canada   | 082 |
| 14:15 | PREDICTION OF ARRHYTHMIC EVENTS WITH POSITRON EMISSION TOMOGRAPHY (Invited Lecture)<br><b>M.E. Cain</b> , University at Buffalo, Buffalo, NY, USA  | 083 |
| 14:30 | CLINICAL EFFECTIVENESS OF CRT AND ICD THERAPY IN PATIENTS WITH HEART FAILURE BY RACE AND GENDER: FINDINGS FROM IMPROVE HF (Invited Lecture)<br><b>A.B. Curtis</b> , University at Buffalo, Buffalo, NY, USA  | 084 |
| 14:45 | MITOCHONDRIAL DYSFUNCTION AND ARRHYTHMIC RISK: POSSIBLE NEW THERAPIES FOR SUDDEN DEATH (Invited Lecture)<br>C. Rutledge, K.C. Yang, M. Liu, H. Liu, <b>S.C. Dudley</b><br>Brown University, Providence, RI, USA                                      | 085 |
| 15:00 | PREVENTION OF SUDDEN CARDIAC DEATH DURING SPORTS: THE POWER OF PRE-PARTICIPATION SCREENING (Invited Lecture)<br><b>D. Corrado</b> , University of Padua Medical School, Padova, Italy  | 086 |
| 15:15 | THE SHORT QT SYNDROME AND SUDDEN CARDIAC DEATH (Invited Lecture)<br><b>M.H. Gollob</b> , University of Ottawa Heart Institute, Ottawa, ON, Canada  | 087 |
| 15:30 | ABLATION OF IDIOPATHIC VENTRICULAR TACHYCARDIA (Invited Lecture)<br><b>K.S. Srivathsan</b> , Mayo Clinic, Arizona, USA   | 088 |
| 15:45 | A CASE OF ORTHOSTATIC HYPOTENSION AND RECENT ADVANCES (Invited Lecture)<br><b>G.L. Fung</b> , UCSF Medical Center at Mt. Zion, San Francisco, CA, USA  | 089 |
| 16:00 | NON-INVASIVE RISK STRATIFICATION IN BRUGADA SYNDROME WITHOUT HISTORY OF CARDIAC ARREST: PROGNOSTIC VALUE OF J-WAVE AND ST-SEGMENT MORPHOLOGY (Invited Lecture)<br><b>M. Takagi</b> , Osaka City University Graduate School of Medicine, Osaka, Japan | 090 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |



## SATURDAY, JULY 26, 2014

14:00 – 16:45

Nantucket

### PL06 Plenary Session

#### INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS

Chairs: **A.A. Knowlton**, Davis, CA, USA  
**A.K. Srivastava**, Montreal, QC, Canada

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:00 | INNATE IMMUNITY AND HEART DISEASE (Invited Lecture)<br><b>A.A. Knowlton</b> , University of California, Davis, CA, USA  | 091 |
| 14:15 | ROLE OF ENDOTHELIN-1 AND CAMKINASE II SIGNALING IN<br>CARDIOVASCULAR COMPLICATIONS (Invited Lecture)<br><b>A.K. Srivastava</b> , CRCHUM, University of Montreal, Montreal, QC, Canada   | 092 |
| 14:30 | INFLAMMATION AND POST-ISCHEMIC CARDIAC REMODELING:<br>MOLECULAR MECHANISMS AND THERAPEUTIC PERSPECTIVES<br>(Invited Lecture)<br><b>J.S. Silvestre</b> , Paris-Centre de Recherche Cardiovasculaire, Paris, France   | 093 |
| 14:45 | EPIGENETIC REGULATION OF LAMINAR FLOW-MEDIATED GENES AND<br>ATHEROSCLEROSIS (Invited Lecture)<br><b>Z-G. Jin</b><br>University of Rochester School of Medicine and Dentistry, New York, USA   | 094 |
| 15:00 | NOVEL ALTERNATIVE MECHANISMS OF CARDIOVASCULAR<br>CALCIFICATION (Invited Lecture)<br><b>E. Aikawa</b> , Harvard Medical School, Brigham and Women's Hospital,<br>Boston, MA, USA  | 096 |
| 15:15 | PHARMACOLOGICAL MODULATION OF ANGIOTENSIN-II-INDUCED<br>ARTERIAL MONONUCLEAR CELL ADHESION BY NUCLEAR RECEPTORS<br>ACTIVATION (Invited Lecture)<br><b>M.J. Sanz</b><br>Institute of Health Research INCLIVA, Universidad de Valencia, Spain   | 097 |
| 15:30 | TRAINING OF CARDIOVASCULAR PHYSICIAN-SCIENTISTS: RESULTS OF<br>SPECIFIC TRAINING PATHWAYS (Invited Lecture)<br><b>J.D. Marsh</b><br>University of Arkansas for Medical Sciences, Little Rock, AR, USA   | 098 |
| 15:45 | ENDOGENOUS MODULATION OF EXTRACELLULAR MATRIX PROTEINS<br>DURING SCAR FORMATION AFTER MYOCARDIAL INFARCTION<br>S. Simsekylimaz, A. Curaj, M. Staudt, M. Rusu, P. Boor, X. Li, O. Bucur,<br>T.T. Soenmez, A. Schuh, <b>E.A. Liehn</b><br>Institute for Molecular Cardiovascular Research (IMCAR),<br>RWTH Aachen University, Germany | 099 |
| 16:00 | REGULATION OF ENDOTHELIAL VCAM-1 EXPRESSION VIA MODULATION<br>OF ANTI-OXIDANT PATHWAY<br><b>A. Ziaei</b> , S. Masli<br>Boston University School of Medicine, Boston, MA, USA  | 100 |

## SATURDAY, JULY 26, 2014

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14:00 – 16:45

Nantucket

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**PL06 Plenary Session**

**INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS (cont.)**

- 16:15 CHRONIC KIDNEY DISEASE AUGMENTS CARDIOVASCULAR RISK: MODULATION OF MYOCARDIAL BLOOD FLOW REGULATION AND CYP450 ARACHIDONIC ACID METABOLITES 101  
**J.G. Kingma**, D. Simard, D. Patoine, S. Pilote, B. Drolet, J.R. Rouleau, C. Simard  
Laval University, Quebec, Canada
- 16:30 ROLE OF NON-GENOMIC SIGNALING IN THE TISSUE SPECIFIC AND VASCULAR PROTECTIVE EFFECTS OF ESTROGEN 102  
**G.R. Schnitzler**, S.J. Bernelot Moens, C.D. Vallaster, F.K. Gordon, M. Nickerson, H. Guo, Q. Lu, R.H. Karas  
Tufts Medical Center, Boston, MA, USA
- 16:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 26, 2014

14:00 – 16:15

Adrienne Salon

S22

Session

### NEW DIRECTIONS IN CARDIOVASCULAR SURGERY

Chairs: **M.R. Movahed**, Tucson, AZ, USA

**F.W. Sellke**, Providence, RI, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | CHARACTERIZATION OF READMISSIONS IN THE LVAD SUPPORTED HEART FAILURE POPULATION<br><b>A.A. Schmitt</b> , S. Anders, S. Lewey, B. McLaughlin, J. Bjelkengren, S.A. Schaefer, D. Sato, N. Nair, D. Sandler, T.B. Icenogle<br>Providence Sacred Heart Medical Center, Spokane, WA, USA  | 103 |
| 14:15 | CAN BLOOD TYPE O PATIENTS ON LVADS BE AT INCREASED RISK FOR GI BLEEDS?<br><b>N. Nair</b> , A.A. Schmitt, S. Anders, S.A. Schaefer, J. Bjelkengren, S. Lewey, B. McLaughlin, D. Sato, D. Sandler, T.B. Icenogle<br>Providence Sacred Heart Medical Center, Spokane, WA, USA   | 104 |
| 14:30 | PARADOXICAL ASSOCIATION OF SMOKING AND OUTCOMES AMONG HEART TRANSPLANT RECIPIENTS<br><b>M. Mujib</b> , W.S. Aronow, G.M. Lanier, D. Kolte, S. Khera, C. Palaniswamy, P. Harikrishnan, T. Ahmed, D. Jain, S. Sule, G.C. Fonarow, A. Ahmed, W.H. Frishman, A.L. Gass, S.D. Prabhu, J.A. Panza<br>New York Medical College, Valhalla, NY, USA | 105 |
| 14:45 | PROENKEPHALIN PREDICTS ACUTE KIDNEY INJURY IN CARDIAC SURGERY PATIENTS<br>K.S. Shah, P.R. Taub, <b>M. Patel</b> , M. Exner, J. Struck, P. Clopton, A. Maisel<br>VA San Diego Healthcare System, San Diego, CA, USA   | 106 |
| 15:00 | QUALITY OF LIFE OUTCOMES IN ELDERLY PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY: WHAT IS THE EVIDENCE?<br>A. Saxena, <b>N. Agostinho</b> , L. Shan, T.D. Yan, M.P. Vallely, P.G. Bannon, A.E. Newcomb<br>Royal Prince Alfred Hospital, Sydney, NSW, Australia   | 107 |
| 15:15 | RELATIONSHIP BETWEEN THE ANGIOGRAPHICALLY DERIVED SYNTAX SCORE AND OUTCOMES IN HIGH-RISK PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION<br><b>S.J. Brener</b> , A.J. Prasad, R. Abdula, T.J. Sacchi<br>NY Methodist Hospital, Brooklyn, NY, USA  | 108 |
| 15:30 | MANAGEMENT OF HEPARIN INDUCED THROMBOCYTOPENIA AND LEFT VENTRICULAR THROMBUS IN A PATIENT WITH CARDIOGENIC SHOCK<br><b>H. Keshmiri</b> , B. Mohamedali, G. Bhat, A. Tatoes, G. Sayer<br>University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA  | 109 |

## SATURDAY, JULY 26, 2014

14:00 – 16:15

Adrienne Salon

**S22 Session**

**NEW DIRECTIONS IN CARDIOVASCULAR SURGERY (cont.)**

Abstract No.

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|-------|---|-----|
| 15:45 | IS PRIOR CORONARY REVASCLARIZATION RELATED TO HIGHER MORTALITY RATE IN A HIGH RISK US VETERAN POPULATION?<br><b>A. Patel</b> , M.B. Quraishi, O.I. Mufti, R. Markert, A. Agarwal<br>Wright State University Boonshoft School of Medicine, Dayton, OH, USA | 110 |
| 16:00 | AORTOESOPHAGEAL FISTULA AFTER THORACIC ENDOVASCULAR AORTIC STENT-GRAFT PLACEMENT: A POTENTIAL FATAL COMPLICATION<br><b>M.S. Rawala</b> , R. Ali, A. Nanjundappa<br>Charleston Area Medical Center, Charleston, WV, USA                                    | 111 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SATURDAY, JULY 26, 2014

16:45 – 19:00

Grand Ballroom

**PL07 Plenary Session**

**GENETIC ASPECTS OF CARDIOVASCULAR DISEASE / STEM CELL AND GENE THERAPY**

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

Abstract No.

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|-------|---|-----|
| 16:45 | GENETIC DISRUPTION OF NPR1 UPREGULATES CARDIAC EXPRESSION OF PROINFLAMMATORY MEDIATORS (Invited Lecture)<br><b>K.N. Pandey</b> , Tulane University School of Medicine, New Orleans, LA, USA   | 112 |
| 17:00 | STEM CELL-DERIVED MEGAKARYOCYTES: TOWARDS UNDERSTANDING GENETIC CONTROL OF PLATELET FUNCTION (Invited Lecture)<br><b>L.C. Becker</b> , Johns Hopkins University School of Medicine, Baltimore, MD, USA                                    | 113 |
| 17:15 | STEM CELL AND GENE THERAPY FOR HEART FAILURE (Invited Lecture)<br><b>L.W. Miller</b> , University of South Florida, Tampa, FL, USA  | 114 |
| 17:30 | MECHANOSENSITIVE MICRORNAS IN ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS: PREVENTION OF ATHEROSCLEROSIS BY ANTI-MIR-712 IN MICE (Invited Lecture)<br><b>H. Jo</b> , Dept. of Biomedical Engineering, Emory University, Atlanta, GA, USA | 115 |
| 17:45 | CARBON NANOTUBES SCAFFOLDS AS A NEW BASIS FOR CARDIAC TISSUE ENGINEERING (Invited Lecture)<br><b>C. Long</b> , L. Mestroni, University of Colorado Health Sciences Center, Denver Health Medical Center, Denver, CO, USA                  | 116 |
| 18:00 | THE ROLE OF PROGENITOR CELLS IN ATHEROSCLEROSIS (Invited Lecture)<br><b>N.M. Caplice</b> , University College Cork, Cork, Ireland   | 117 |
| 18:15 | GENETIC FACTORS INFLUENCING CAROTID ARTERY SIZE IN AMERICAN INDIANS (Invited Lecture)<br><b>J.N. Bella</b> , Bronx-Lebanon Hospital Center, Bronx, NY, USA  | 118 |
| 18:30 | GENETIC DISCOVERY OF CVD IN DIABETIC PATIENTS (Invited Lecture)<br><b>L. Qi</b> , Harvard School of Public Health, Boston, MA, USA  | 119 |
| 18:45 | CILIA AND CONGENITAL HEART DISEASE: WHAT IS THE CONNECTION? (Invited Lecture)<br><b>M. Zahid</b> , University of Pittsburgh, Pittsburgh, PA, USA  | 120 |

## SATURDAY, JULY 26, 2014

16:45 – 19:00

Martha's Vineyard

**PL08 Plenary Session**

**MECHANISMS OF ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE**

Chairs: **J.G. Filep**, Montreal, QC, Canada

**S. Schaefer**, Davis, CA, USA

Abstract No.

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|-------|---|-----|
| 16:45 | TOLL-LIKE RECEPTOR 9 REGULATION OF COAGULATION IN ACUTE CORONARY ARTERY DISEASE (Invited Lecture)<br><b>J.G. Filep</b> , Maisonneuve-Rosemont Hospital, Montreal, QC, Canada  | 121 |
| 17:00 | HIGH SENSITIVITY CARDIAC TROPONIN – A CARDIOLOGIST'S FRIEND OR FOE? (Invited Lecture)<br><b>S. Schaefer</b> , University of California, Davis, CA, USA  | 122 |
| 17:15 | THE EVOLUTION OF ANTIPLATELET THERAPY FOR ACS – FROM BENCH TO BEDSIDE (Invited Lecture)<br><b>S.J. Brener</b> , NY Methodist Hospital, NY, USA  | 123 |
| 17:30 | INTRODUCTION OF A MOUSE MODEL THAT REFLECTS HUMAN ATHEROSCLEROTIC PLAQUE INSTABILITY AND RUPTURE: A UNIQUE TOOL FOR DISCOVERY OF STRATEGIES TOWARDS PLAQUE PACIFICATION AND ULTIMATELY PREVENTION OF MYOCARDIAL INFARCTION (Invited Lecture)<br><b>K. Peter</b> , Baker IDI Heart and Diabetes Institute, Victoria, Australia | 124 |
| 17:45 | IMPAIRED ENDOGENOUS THROMBOLYSIS- A NOVEL, POINT-OF-CARE BIOMARKER PREDICTIVE OF ADVERSE CARDIOVASCULAR EVENTS (Invited Lecture)<br><b>D.A. Gorog</b> , Imperial College, London, UK  | 125 |
| 18:00 | TRIGGERS OF ACUTE CARDIOVASCULAR EVENTS: CLINICAL IMPLICATIONS (Invited Lecture)<br><b>M. Madjid</b> , Texas Heart Institute, Houston, TX, USA  | 126 |
| 18:15 | INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING OF INFLAMED PLAQUES (Invited Lecture)<br><b>E.A. Osborn</b> , Massachusetts General Hospital, Boston, MA, USA  | 127 |
| 18:30 | EVOLVING ROLE OF PLATELET FUNCTION TESTING IN ACUTE CORONARY SYNDROMES (Invited Lecture)<br><b>R.K. Sharma</b> , University of Arkansas Medical Science, Little Rock, AR, USA   | 128 |
| 18:45 | RISK STRATIFICATION OF VERY LATE DES FAILURE BY THE EVALUATION OF NEOATHEROSCLEROSIS (Invited Lecture)<br><b>Y. Ueda</b> , Osaka Police Hospital, Osaka University Graduate School of Medicine, Japan   | 129 |

## SATURDAY, JULY 26, 2014

16:45 – 19:45

Nantucket

### S23 Session

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

Chairs: **H.P. Chaliki**, Scottsdale, AZ, USA  
**N.T. Olsen**, Copenhagen, Denmark

Abstract No.

- |       |  |     |
|-------|--|-----|
| 16:45 | SEVERE LEFT VENTRICULAR DYSFUNCTION IS NOT A CONTRAINDICATION TO AORTIC VALVE REPLACEMENT FOR AORTIC INSUFFICIENCY<br>T. Kaneko, R.C. Neely, I. Gosev, Q. Javed, S. McGurk, J.C. Rawn, S.F. Aranki, J.G. Byrne, L.H. Cohn, <b>M. Leacche</b><br>Brigham and Women's Hospital, Boston, MA, USA  | 130 |
| 17:00 | OUTCOMES OF A HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION FOLLOWED BY MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT<br><b>H.M. Elmahdy</b> , A.M. Pineda, S.A. Horvath, O. Santana, C.G. Mihos, N. Beohar, J. Lamelas<br>Mount Sinai Medical Center, Miami Beach, FL, USA  | 131 |
| 17:15 | DOES VALVULOARTERIAL IMPEDANCE IMPACT PROGNOSIS AFTER SURGERY FOR SEVERE AORTIC STENOSIS IN THE ELDERLY?<br><b>M. Katayama</b> , M.Q. Najib, P. Marella, E.M. McMahon, M. Belohlavek, H.P. Chaliki, Mayo Clinic, Scottsdale, AZ, USA   | 132 |
| 17:30 | NATIONWIDE TRENDS IN THE INCIDENCE AND OUTCOMES OF ACUTE RHEUMATIC FEVER IN THE UNITED STATES<br><b>P. Harikrishnan</b> , D. Kolte, C. Palaniswamy, S. Khera, M. Mujib, W.S. Aronow, S. Sule, D. Jain, A. Ahmed, G.C. Fonarow, W.H. Frishman, J.A. Panza<br>New York Medical College, Valhalla, NY, USA                                    | 133 |
| 17:45 | HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION AND MINIMALLY INVASIVE MITRAL VALVE SURGERY IN PATIENTS WITH CORONARY ARTERY AND MITRAL VALVE DISEASE<br><b>S.A. Horvath</b> , C.G. Mihos, A.M. Pineda, H.M. Elmahdy, O. Santana, J.P. Rodriguez-Escudero, N. Beohar, J. Lamelas<br>Mount Sinai Medical Center, Miami Beach, FL, USA | 134 |
| 18:00 | MINIMALLY INVASIVE ISOLATED AORTIC VALVE REPLACEMENT IN OCTOGENARIANS<br><b>R.K. Krishna</b> , O.M. Issa, D. Saha, O. Santana, G.A. Lamas, J. Lamelas<br>Mount Sinai Medical Center, Miami Beach, FL, USA  | 135 |
| 18:15 | FACTORS ASSOCIATED WITH PROCEDURAL FAILURE AND COMPLICATIONS FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT<br><b>K.B. Shah</b> , B.B. Padaliya, R.S. Boxer, J.M. Albert, B.D. Hoit<br>University Hospitals Case Medical Center, Cleveland, OH, USA  | 136 |

## SATURDAY, JULY 26, 2014

16:45 – 19:15

Nantucket

S23

Session

VALVULAR HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS (cont.)

Abstract No.

- 18:30 THE EFFECT OF LOW EJECTION FRACTION IN ISOLATED AORTIC INSUFFICIENCY ON LEFT VENTRICULAR REMODELING AFTER AORTIC VALVE REPLACEMENT **137**  
Y. Ozen, S. Sarikaya, O. Altas, E. Kafali, M.B. Rabus, **K. Kirali**  
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey
- 18:45 MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT IMPROVES OUTCOMES OF REOPERATIVE AORTIC VALVE REPLACEMENT **138**  
**I. Gosev**, S. McGurk, T. Kaneko, D. Loberman, R.C. Neely, Q. Javed, M. Leacche, L.H. Cohn, S.F. Aranki  
Brigham and Women's Hospital, Boston, MA, USA
- 19:00 THE PROFOUND IMPACT OF DILATED LEFT VENTRICULAR OUTFLOW TRACT ON DOPPLER STROKE VOLUME AND AORTIC VALVE AREA ESTIMATION **139**  
**A.S. Ayyoub**, M. Habashy-Ibrahim, R. Doane, S.B. Labib  
Lahey Hospital and Medical Center, Burlington, MA, USA
- 19:15 A NEW AORTOTOMY TECHNIQUE FOR AORTIC VALVE REPLACEMENT: REVERSE 'U' AORTOTOMY (KIRALI INCISION) **140**  
**K. Kirali**  
Kartal Kosuyolu Heart Education and Research Hospital, Istanbul, Turkey
- 19:30 A SYSTEMATIC REVIEW ON THE QUALITY OF LIFE BENEFITS AFTER AORTIC VALVE REPLACEMENT SURGERY IN THE ELDERLY **141**  
**N. Agostinho**, A. Saxena, L. Shan, M.P. Vallely, T.D. Yan, A.E. Newcomb, P.G. Bannon  
Royal Prince Alfred Hospital, Sydney, NSW, Australia



**S24 Session**  
**SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL**

Chairs: **Y. Charuzi**, Los Angeles, CA, USA  
**R.C. Hermida**, Vigo, Spain

Abstract No.

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|-------|---|-----|
| 16:45 | <p>HYPERTENSION WAS NOT A PREDICTOR OF CLINICAL EVENTS AT ONE-YEAR IN PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION WHO UNDERWENT PRIMARY CORONARY INTERVENTION<br/> <b>K.S. Cha</b>, J.S. Park, J. Ahn, J.H. Kim, H.W. Lee, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong<br/>                 Pusan National University Hospital, Busan, South Korea</p> | 142 |
| 17:00 | <p>ASLEEP BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF CARDIOVASCULAR EVENTS: THE HYGIA PROJECT<br/> <b>R.C. Hermida</b>, A. Moya, J.J. Crespo, A. Otero, M. Dominguez, M.T. Rios, C. Castineira, A. Mojon, J.R. Fernandez, D.E. Ayala<br/>                 University of Vigo, Vigo, Spain</p>  | 143 |
| 17:15 | <p>UNCONTROLLED HYPERTENSION IN UGANDA: A COMPARATIVE CROSS SECTIONAL STUDY<br/> <b>G. Musinguzi</b>, J.P. Vangeertruyden, H. Bastiaens, F. Nuwaha<br/>                 Makerere University School of Public Health, Kampala, Uganda</p>  | 144 |
| 17:30 | <p>CYP2D6 GENETIC INFORMATION-GUIDED METOPROLOL USE IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY<br/> <b>B. Khalighi</b>, Y. Wu, W.Q. Fan, A. Mirabbasi, R. Thachil, E.J. Mascarenhas, K. Khalighi<br/>                 Temple University, Philadelphia, PA, USA</p>  | 145 |
| 17:45 | <p>GASTRIN AND D1 DOPAMINE RECEPTOR INTERACT TO INDUCE NATRIURESIS AND DIURESIS<br/> <b>Y. Chen</b>, L.D. Asico, S. Zheng, V.A. Villar, D.F. He, L. Zhou, C.Y. Zeng, P.A. Jose<br/>                 Daping Hospital, The Third Military Medical University, Chongqing, P.R. China</p>   | 146 |
| 18:00 | <p>COMPARISON OF ILOPROST AND NITRIC OXIDE FOR TREATMENT OF PULMONARY HYPERTENSION IN THE SETTING OF CARDIOVASCULAR SURGERY-A META-ANALYSIS<br/> <b>J.M. Martinez</b>, P. Vijayvargiya, L. Tamariz, S. Chaparro<br/>                 University of Miami Miller School of Medicine Regional Campus, Atlantis, FL, USA</p>   | 147 |
| 18:15 | <p>SLEEP-TIME, NOT AWAKE BLOOD PRESSURE, DETERMINES THE TRUE PROGNOSTIC VALUE OF MASKED HYPERTENSION<br/> <b>D.E. Ayala</b>, J.J. Crespo, M. Dominguez, A. Moya, A. Otero, M.T. Rios, C. Castineira, S.M. Gomara, J.R. Fernandez, R.C. Hermida<br/>                 University of Vigo, Vigo, Spain</p>   | 148 |

## SATURDAY, JULY 26, 2014

16:45 – 19:30

Adrienne Salon

**S24 Session**

**SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL (cont.)**

Abstract No.

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|-------|--|-----|
| 18:30 | DECODING WHITE COAT HYPERTENSION<br><b>D.A. Bloomfield</b><br>Richmond University Medical Center, Staten Island, NY, USA   | 149 |
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Poster Hall

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Poster Hall

### P202 CAD: SECONDARY PREVENTION, CARDIAC REHAB, PROGNOSIS (cont.)

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17	<p>EFFECT OF LEFT ATRIAL SIZE AND PRESSURE ON ABLATION TIME AND CLINICAL OUTCOMES WITH CRYOABLATION USING NEW GENERATION ARCTIC FRONT ADVANCE BALLOON IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION <b>S. Banga</b>, N. Chalfoun, A. Gauri, D. Elmouchi, M. Dahu, B. Finta Frederik Meijer Heart &amp; Vascular Institute, Spectrum Health, Grand Rapids, MI, USA</p>	169
18	<p>FOOD IN THE BRAIN: A RARE COMPLICATION OF LEFT-ATRIAL ABLATION <b>H. Keshmiri</b>, J. Ziffra, K. Wells, M. Wichter University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA</p>	170

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Poster Hall

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## SATURDAY, JULY 26, 2014

13:30 – 18:30

Poster Hall

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Poster Hall

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INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2014  
19th WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 25-28, 2014

**SCIENTIFIC  
PROGRAM**

**SUNDAY, July 27, 2014**

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## SUNDAY, JULY 27, 2014

08:30 – 11:15

Grand Ballroom

**PL09 Plenary Session**

**PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSM AND PERIPHERAL ARTERY DISEASE**

Abstract No.

Chairs: **S.M. Butman**, Cottonwood, AZ, USA

**R. Manfredini**, Ferrara, Italy

- |       |  |     |
|-------|--|-----|
| 08:30 | TEMPORAL VARIATION IN ACUTE AORTIC DISEASES: ONLY A RANDOM PHENOMENON? (Invited Lecture)<br><b>R. Manfredini</b> , University of Ferrara, Italy  | 187 |
| 08:45 | SUCCESSFUL EVAR PROGRAM FOR AAA IN A RURAL HOSPITAL (Invited Lecture)<br><b>S.M. Butman</b> , J. Schor<br>Verde Valley Medical Center, Cottonwood, AZ, USA   | 188 |
| 09:00 | REGULATORY T CELLS IN ABDOMINAL AORTIC ANEURYSMS (Invited Lecture)<br>Y. Zhou, J.S. Lindholt, W. Wu, P. Libby, <b>G.P. Shi</b><br>Brigham and Women's Hospital, Boston, MA, USA  | 189 |
| 09:15 | GUILT BY ASSOCIATION: A PARADIGM FOR DETECTING A SILENT KILLER (THORACIC AORTIC ANEURYSM) (Invited Lecture)<br><b>J.A. Elefteriades</b> , Yale University School of Medicine, New Haven, CT, USA   | 190 |
| 09:30 | CONTRADICTIONARY EFFECTS OF HYPERLIPIDEMIA AND DIABETES MELLITUS ON PROGRESSION OF ABDOMINAL AORTIC ANEURYSM: PATHOBIOLOGICAL MECHANISMS (Invited Lecture)<br><b>S.D. Gertz</b> , Y. Mintz, R. Beerl, C. Rubinstein, D. Gilon, L.Y. Gavish, Y. Berlatzky, L. Appelbaum, L. Gavish<br>The Hebrew University of Jerusalem, Jerusalem, Israel | 191 |
| 09:45 | MOLECULAR DRIVERS OF VASCULAR REMODELING (Invited Lecture)<br><b>Z. Galis</b> , Division of Cardiovascular Sciences, NIH, Bethesda, MD, USA  | 192 |
| 10:00 | POLYVASCULAR DISEASE: VASCULAR FUNCTION, IMAGING AND TREATMENT (Invited Lecture)<br><b>T. Tomaru</b> , T. Matsubara, E. Mastubara, Toho University Sakura Hospital, Japan  | 193 |
| 10:15 | USE OF FRACTION FLOW RESERVE TO PREDICT CHANGES OVER TIME IN MANAGEMENT OF SUPERFICIAL FEMORAL ARTERY (Invited Lecture)<br><b>A.S. Lotfi</b> , S.K. Sivalingam, G.R. Giugliano, J. Ashraf, P. Visintainer<br>Tufts University School of Medicine, Baystate Medical Center, Springfield, MA, USA  | 194 |
| 10:30 | PERIPHERAL BLOOD- BUT NOT BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELL THERAPY LIMITS EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM DEVELOPMENT<br><b>G. Franck</b> , J. Dai, E. Allaire, M. Gervais<br>CNRS EAC 7054, Paris-Est Creteil University, Creteil, France   | 195 |

## SUNDAY, JULY 27, 2014

08:30 – 11:15

Grand Ballroom

**PL09 Plenary Session**

**PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSM AND PERIPHERAL ARTERY DISEASE (cont.)**

Abstract No.

- 10:45 RAPAMYCIN INHIBITS THORACIC AORTIC ANEURYSM FORMATION THROUGH SUPPRESSION OF PRO-INFLAMMATORY MEDIATORS **196**  
**J.M. Cao**, Q.H. Wu, L. Geng, X.N. Chen, F. Wu, Y. Chen  
Shanghai Jiaotong University School of Medicine Ruijin Hospital, Shanghai, China
- 11:00 IS CILOSTAZOL A GOOD CHOICE TO REDUCE RESTENOSIS AFTER PERIPHERAL VASCULAR DISEASE STENTING? A META-ANALYSIS **197**  
**D. Garcia**, M. Ansari, R. Nascimento, A. Benjo, C. Kwarteng, A. Ferreira, C. Alfonso, C. Mendoza  
University Of Miami, Miller School of Medicine/ Jackson Memorial Hospital, FL, USA
- 11:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SUNDAY, JULY 27, 2014

08:30 – 11:00

Martha's Vineyard

**PL10 Plenary Session**

**CELLULAR AND MOLECULAR MECHANISMS OF CARDIOPROTECTION, CARDIAC REGENERATION AND REMODELING**

Chairs: **Y. Birnbaum**, Houston, TX, USA  
**R.A. Kloner**, Los Angeles, CA, USA

Abstract No.

- |       |   |     |
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| 08:30 | REGULATION OF ENOS MRNA DESTABILIZATION VIA ROCK2-MEDIATED EEF1A1 PHOSPHORYLATION (Invited Lecture)<br><b>K. Noma</b> , Y. Higashi, Y. Kihara, J.K. Liao<br>RIRBM, Hiroshima University, Hiroshima, Japan                               | 198 |
| 08:45 | INFLAMMATION INDUCED APOPTOSIS IN THE INJURED MYOCARDIUM (Invited Lecture)<br><b>D.K. Singla</b> , University of Central Florida, Orlando, FL, USA  | 199 |
| 09:00 | PRIMING THE PROTEASOME BY PKG: A NOVEL CARDIOPROTECTIVE MECHANISM OF SILDENAFIL (Invited Lecture)<br><b>X. Wang</b> , M.J. Ranek, E.J. Terpstra<br>Sanford School of Medicine of the University of South Dakota, Vermillion, SD, USA    | 200 |
| 09:15 | THE PIVOTAL ROLE OF L-ARGININE IN THE ISCHEMIC HEART PRECONDITIONING - A NANOMEDICAL APPROACH (Invited Lecture)<br><b>T. Malinski</b> , S. Hollstrom, A. Jakubowski, Ohio University, Athens, OH, USA                                   | 201 |
| 09:30 | DIABETES AND FAILED REGENERATIVE STRATEGIES (Invited Lecture)<br><b>F.W. Sellke</b> , Alpert Medical School of Brown University, Providence, RI, USA  | 202 |
| 09:45 | THE EFFECT OF BENDAVIDIA ON ISCHEMIA/REPERFUSION INJURY, LEFT VENTRICULAR REMODELING AND DYSFUNCTION (Invited Lecture)<br><b>R.A. Kloner</b> , W. Dai, S.L. Hale, J. Shi, D. Brown<br>Good Samaritan Hospital/USC, Los Angeles, CA, USA | 203 |
| 10:00 | TICAGRELOR LIMITS MYOCARDIAL INFARCT SIZE- AN ADENOSINE AND COX2 DEPENDENT EFFECT (Invited Lecture)<br>M.K. Nanhwan, S. Lin, M. Kodakandla, S. Nylander, Y. Ye, <b>Y. Birnbaum</b><br>Baylor College of Medicine, TX, USA               | 204 |
| 10:15 | ROLE OF microRNA IN CARDIOPROTECTION (Invited Lecture)<br><b>R.C. Kukreja</b> , Virginia Commonwealth University, Richmond VA, USA  | 205 |
| 10:30 | ROLE OF MINOCYCLINE IN MYOCARDIAL ISCHEMIA-REPERFUSION INJURY: AN OLD DRUG WITH NEW IMPLICATIONS (Invited Lecture)<br><b>T.M. Scarabelli</b> , St John Hospital & Medical Center/Wayne State University SOM, USA                        | 206 |
| 10:45 | PROLYLHYDROXYLASES IN ISCHEMIC HEART DISEASE (Invited Lecture)<br><b>N. Maulik</b> , University of Connecticut School of Medicine, Farmington, CT, USA  | 207 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SUNDAY, JULY 27, 2014

08:30 – 11:00

Nantucket

### S25 Session

#### CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION

Chairs: **P.A. Pellikka**, Rochester, MN, USA

**T. Tomaru**, Sakura, Japan

Abstract No.

- 08:30 A NEW CARDIAC MARKER DURING FIRST TRIMESTER SCREENING? DETECTION OF FETAL PULMONARY VEINS BY DOPPLER B MODE AND X FLOW BETWEEN 12-15 WEEKS OF GESTATION **208**  
**A.L. Schenone**, G. Giugni, M.H. Schenone, D. Majdalany  
Cleveland Clinic, Cleveland, OH, USA
- 08:45 THE IMPACT OF CAROTID ARTERY ATHEROSCLEROSIS ON THE RISK OF ADVERSE CARDIAC EVENTS IS DEPENDENT ON THE PRESENCE OF PRE-EXISTENT CORONARY ARTERY DISEASE **209**  
A. Steinvil, **B. Sadeh**, N.M. Borenstein, O. Havakuk, S. Greenberg, Y. Arbel, M. Konigstein, A. Finkelstein, S. Banai, A. Halkin  
Tel Aviv Medical Center affiliated to the Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 09:00 CARDIAC MRI AS A SENSITIVE SCREENING TOOL IN MYOTONIC DYSTROPHY **210**  
**S.J. Campbell**, J.T. Kissel, S.V. Raman  
Ohio State University, Columbus, OH, USA
- 09:15 VALUE OF THORACIC AORTIC CALCIUM IN PREDICTION OF OBSTRUCTIVE CORONARY ARTERY DISEASE **211**  
**M. Mohammadi**, J. Shirani  
St. Luke's University Health Network, Bethlehem, PA, USA
- 09:30 REAL TIME THREE DIMENSIONAL ECHOCARDIOGRAPHY IN VALVULAR PULMONARY STENOSIS AMONG PEDIATRIC AGE GROUP **212**  
**S.S. Sheta**, A.A. Abou Zeid, F.F. Shaltout, B.M. Moustafa, H.A. Abou Zekri, H.H. Barakat  
Cairo University Children Hospital, Faculty of Medicine, Cairo, Egypt
- 09:45 A MULTIMODAL APPROACH TO IMAGE INFLAMMATORY LIPID-RICH ATHEROMATA USING AN INTEGRATED HIGH-SPEED INTRAVASCULAR OCT/NIRF CATHETER WITH A FDA-APPROVED INDOCYANINE GREEN **213**  
**S.K. Lee**, M.W. Lee, H.S. Cho, J.W. Song, H.S. Nam, D.J. Oh, K.S. Park, W.Y. Oh, H.K. Yoo, J.W. Kim  
Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea
- 10:00 TISSUE DOPPLER IMAGING AND LATE-ONSET ANTHRACYCLINE-INDUCED SUB-CLINICAL CARDIOVASCULAR DISEASE IN LONG TERM SURVIVORS OF CHILDHOOD CANCER **214**  
**R. Prakashwari**, A. Lorenzana, A. Prabhu, S. Szpunar, P. Anne  
Children's Hospital of Wisconsin, Wauwatosa, WI, USA

## SUNDAY, JULY 27, 2014

08:30 – 11:00

Nantucket

**S25 Session**

**CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (cont.)**

Abstract No.

- 10:15 THE RATIO OF VELOCITY TIME INTEGRAL OF LEFT VENTRICULAR OUTFLOW TRACT TO THE DESCENDING AORTA IS FIXED AND USEFUL FOR INTERNAL VALIDATION **215**  
**R. Ranjan**, E. Velez, A. Haldipur, N.B. Schiller  
University of California, San Francisco, San Francisco, USA
- 10:30 CORONARY ARTERY DISEASE IN ASYMPTOMATIC MALE ATHLETES AGED 45 YEARS OR OLDER WITH A LOW ESC SCORE RISK: THE EMERGING ROLE OF CORONARY CT ANGIOGRAPHY **216**  
**T.L. Braber**, A. Mosterd, N.H.J. Prakken, P.A.F.M. Doevendans, W.P.T.M. Mali, F.J.G. Backx, R. Rienks, H.M. Nathoe, D.E. Grobbee, B.K. Velthuis  
University Medical Center Utrecht, Utrecht, The Netherlands
- 10:45 ECHOCARDIOGRAPHIC PREDICTORS OF ATRIAL FIBRILLATION PREVALENCE IN PATIENTS ON HEMODIALYSIS **217**  
**T.A. Ahmad**, P. Bhattacharya, V.K. Narasimha, A. Bhardwaj  
Penn State Hershey Medical Center, Hershey, PA, USA
- 11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SUNDAY, JULY 27, 2014

08:30 – 11:00

Adrienne Salon

<b>S26 Session</b>		
<b>ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT</b>		
		Abstract No.
	Chairs: <b>G.W. Barsness</b> , Rochester, MN, USA <b>H.K. Reddy</b> , Little Rock, AR, USA	
08:30	ASSOCIATION OF VITAMIN D LEVELS TO SHORT AND LONG TERM MAJOR ADVERSE CARDIAC EVENTS AMONG ACS AND NON-ACS PATIENTS F. Sy, H.T. May, A. Tandar, D.L. Lappé, J.L. Anderson, <b>V.T. Le</b> , J.B. Muhlestein University of Utah, Salt Lake City, UT, USA	218
08:45	THE PROGNOSTIC SIGNIFICANCE OF ELEVATED TROPONINS IN PATIENTS WITH SEPSIS: A META-ANALYSIS <b>O. Sheyin</b> , W. Duan, O. Davies, X. Perez Harlem Hospital Center, New York, NY, USA	219
09:00	CLINICAL SIGNIFICANCE OF CORONARY ARTERY ANATOMY IN STRESS INDUCED CARDIOMYOPATHY <b>P. Krumenacher</b> , A. Chau, D. Matel-Anderson, A. Ashine, R. Siegel, K. Ahn, Y. Muirhead, S. Park, H. Kim, B. Choi Medical College of Wisconsin, Milwaukee, WI, USA	220
09:15	DOES SYNTAX SCORE PREDICT THE DEGREE OF PEAK TROPONIN ELEVATION IN PATIENTS WITH ACUTE CORONARY SYNDROMES? <b>H.A. Bhatt</b> , D.R. Sanghani, M.B. Perini, G.A. Fernaine Lutheran Medical Center, Brooklyn, NY, USA	221
09:30	INTER-RATER AGREEMENT FOR CHEST PAIN EVALUATION BETWEEN TRAINED ABSTRACTORS AND EMERGENCY DEPARTMENT PHYSICIANS AT AN ACADEMIC MEDICAL CENTER <b>R.E. Davies</b> , A. Foy Penn State Hershey Medical Center, Hershey, PA, USA	222
09:45	INDUCTION OF AUTOLOGOUS BONE MARROW STEM CELLS BY LOW-LEVEL LASER THERAPY HAS BENEFICIAL EFFECTS ON THE INFARCTED PORCINE HEART FOLLOWING ACUTE MYOCARDIAL INFARCTION <b>G.A. Elbaz-Greener</b> , U. Oron, Z. Vered, A. Blatt Tel Aviv University, Tel Aviv, Israel	223
10:00	DESCRIPTION OF IN-HOSPITAL MANAGEMENT OF ACUTE CORONARY SYNDROME IN VENEZUELA AND LATIN AMERICA (EPICOR STUDY) <b>K. Arai</b> , N. Antepara, C. Delgado, M.L. Fariña, R. Uzcátegui, S. Beluche Ascardio, Barquisimeto, Venezuela	224

## SUNDAY, JULY 27, 2014

08:30 – 11:00

Adrienne Salon

**S26 Session**

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

Abstract No.

- |       |  |     |
|-------|--|-----|
| 10:15 | INFLUENCE OF METEOROLOGICAL FACTORS ON IN-HOSPITAL MORTALITY IN PATIENTS ADMITTED WITH ST-ELEVATION MYOCARDIAL INFARCTION IN NORTHEASTERN PENNSYLVANIA<br>I. Ahmed, <b>S.J. Voyce</b> , I. Pallekonda, J. Snedeker<br>The Wright Center of Graduate Medical Education, Scranton, PA, USA | 225 |
| 10:30 | BLOOD TRANSFUSION IN PATIENTS WITH BLEEDING DURING ACUTE ST-ELEVATION MYOCARDIAL INFARCTION ASSOCIATED WITH HIGHER IN-HOSPITAL MORTALITY<br><b>D.A. Munawar</b> , W. Aditya, M. Munawar<br>Binawaluya Cardiac Center, Jakarta, Indonesia   | 226 |
| 10:45 | THE EFFECT OF SHORTENING FMC-DEVICE TIME (<90 MINUTES) IN ST-ELEVATION MYOCARDIAL INFARCTION (STEMI) PATIENTS TRANSFERRED FROM NON-PCI CAPABLE HOSPITALS FOR PRIMARY PCI<br><b>Y. Nawaz</b> , A. Qureshi, N. Subrayappa, N. Patel<br>Lehigh Valley Health Network, Allentown, PA, USA    | 227 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |



## SUNDAY, JULY 27, 2014

11:15 – 13:45

Grand Ballroom

### PL11 Plenary Session

#### VALVULAR / CONGENITAL HEART DISEASE, CARDIAC SURGERY

*Joint Session with the Heart Valve Society of America*

Chairs: **J.S. Borer**, USA  
**N.M. Rajamannan**, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | DEMOGRAPHIC CHANGES IN CONGENITAL HEART DISEASE IN THE XXI CENTURY: IMPACT IN MANAGEMENT AND OUTCOMES (Invited Lecture)<br><b>A.J. Marelli</b> , Mc Gill University Health Centre, Montreal, QC, Canada  | 228 |
| 11:30 | NEXT GENERATION SEQUENCING ANALYSIS OF FAMILIES WITH CONGENITAL HEART DISEASE (Invited Lecture)<br><b>N.E. Bowles</b> , S.B. Bleyl, M.F. Leppert, C.B. Arrington<br>University of Utah School of Medicine, Salt Lake City, UT, USA   | 229 |
| 11:45 | CARDIAC SURGERY IN THE ADULT CONGENITAL HEART DISEASE PATIENT: A SPECTRUM OF LESIONS (Invited Lecture)<br><b>B.N. Mora</b> , Sheikh Khalifa Medical City, Cleveland Clinic, Abu Dhabi, UAE   | 230 |
| 12:00 | AORTIC REGURGITATION: IMPACT OF PREOPERATIVE SYMPTOMS FOR POST-VALVE REPLACEMENT SURVIVAL ON PROGNOSTICATION FROM MYOCARDIAL CONTRACTILITY (Invited Lecture)<br><b>J.S. Borer</b> , P.G. Supino, E.M. Herrold, C. Hochreiter, O.W. Isom, K.H. Krieger, L.N. Girardi, N. Khan, D. Santarsieri<br>State University of New York Downstate Medical Center, New York, NY, USA | 231 |
| 12:15 | LOW GRADIENT SEVERE AORTIC STENOSIS: DIAGNOSIS AND MANAGEMENT (Invited Lecture)<br><b>H.P. Chaliki</b> , Mayo Clinic, Arizona, USA   | 232 |
| 12:30 | ATORVASTATIN ATTENUATES ATHEROSCLEROSIS IN THE VALVES AND FEMURS FROM HYPERCHOLESTEROLEMIC LDLR <sup>-/-</sup> MICE AS=OP<br><b>N.M. Rajamannan</b> , Northwestern University Feinberg School of Medicine, Chicago, IL, USA (Invited Lecture)  | 233 |
| 12:45 | A TALE OF TWO HEARTS: ANY NEW ECHOCARDIOGRAPHY TRICKS IN VALVULAR HEART DISEASE? (Invited Lecture)<br><b>S. Pislaru</b> , Mayo Clinic College of Medicine, Rochester, MN, USA  | 234 |
| 13:00 | TEMPORAL TRENDS IN VALVULAR HEART DISEASE IN NEW YORK STATE: THE LAST 30 YEARS (Invited Lecture)<br><b>P.G. Supino</b> , O.Y. Hai, J.S. Borer<br>State University of New York (SUNY) Downstate Medical Center, NY, USA   | 235 |
| 13:15 | MECHANISMS OF HYPERTROPHY IN VALVULAR HEART DISEASE<br><b>N.T. Olsen</b> , Rigshospitalet, Copenhagen, Denmark (Invited Lecture)   | 236 |
| 13:30 | DEVICE CLOSURE OF COMPLEX ATRIAL SEPTAL DEFECT IN ADULTS- ISSUES AND SOLUTIONS (Invited Lecture)<br><b>M. Sadiq</b> , The Children's Hospital/The Institute of Child Health, Lahore, Pakistan  | 237 |
| 13:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SUNDAY, JULY 27, 2014

11:15 – 13:15

Martha's Vineyard

### PL12 Plenary Session

#### ATRIAL ARRHYTHMIAS: TREATMENT AND SEQUELAE

Chairs: **T. Deneke**, Bad Neustadt, Germany

**A. Martinez-Rubio**, Sabadell, Spain

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | PREVENTION OF STROKE IN ATRIAL FIBRILLATION: ARE ALL ORAL DRUGS THE SAME? (Invited Lecture)<br><b>A. Martinez-Rubio</b> , University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain  | 238 |
| 11:30 | LEFT ATRIAL SIZE AND FUNCTION: ROLE IN PROGNOSIS (Invited Lecture)<br><b>B.D. Hoit</b> , Case Western Reserve University, Cleveland, OH, USA   | 239 |
| 11:45 | SILENT CEREBRAL EVENTS ASSOCIATED WITH ATRIAL FIBRILLATION ABLATION (Invited Lecture)<br><b>T. Deneke</b> , P. Müller, K. Nentwich, J. Krug, R. Schmitt, M. Roos, A. Schade Heart Center Bad Neustadt, Bad Neustadt, Germany                       | 240 |
| 12:00 | ALDOSTERONE, COPEPTINE AND OTHER NEUROENDOCRINE MARKERS IN PATIENTS WITH STROKE (Invited Lecture)<br><b>D. Jezova</b> , L. Krizova, B. Kollar, P. Siarnik, N. Hlavacova, A. Penesova, P. Turcani, Slovak Academy of Sciences, Bratislava, Slovakia | 241 |
| 12:15 | THROMBOEMBOLISM OR ATHERO-THROMBOEMBOLISM IN ATRIAL FIBRILLATION? (Invited Lecture)<br><b>F. Violi</b> , I Clinica Medica, University Sapienza, Roma, Italy  | 242 |
| 12:30 | THE MOST COST EFFICIENT WAY TO CARDIOVERT A NEWBORN IN ATRIAL FLUTTER (Invited Lecture)<br><b>C. Snyder</b> , Rainbow Babies and Children's Hospital, Cleveland, OH, USA   | 243 |
| 12:45 | MANAGEMENT OF ATRIAL FLUTTER (Invited Lecture)<br><b>H. Paydak</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA   | 244 |
| 13:00 | ATRIAL FIBRILLATION AND ITS ROLE IN COGNITIVE DECLINE (Invited Lecture)<br><b>K. Alagiakrishnan</b> , University of Alberta, Edmonton, Alberta, Canada   | 245 |
| 13:15 | DISCOVERY OF A NEW INDEX OF DUAL PATHWAY ATRIOVENTRICULAR NODE CONDUCTION (Invited Lecture)<br><b>Y. Zhang</b> , New York Institute of Technology (NYIT) College of Osteopathic Medicine, Old Westbury, NY, USA                                    | 246 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SUNDAY, JULY 27, 2014

11:15 – 14:00

Nantucket

**S27 Session**

**ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS**

Chairs: **M.A. Alpert**, Columbia, MO, USA  
**S. Mora**, Boston, MA, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | RESIDUAL RISK FROM ELEVATED LIPOPROTEIN A BUT NOT APOLIPOPROTEIN B OR NON-HDL CHOLESTEROL AT HEART CENTERS FOR WOMEN<br><b>B.T. Costello</b> , K. Lara, G. Lundberg, R. Doukky, L. Braun, A. Volgman<br>Rush University Medical Center, Chicago, IL, USA   | 247 |
| 11:30 | IMPACT OF CLINICAL AND THERAPEUTIC FACTORS ON INCIDENT CARDIO-CEREBROVASCULAR EVENTS IN A POPULATION-BASED COHORT OF HIV-INFECTED AND NON-HIV-INFECTED ADULTS<br><b>A. Tripathi</b> , A.D. Liese, M.D. Winniford, A.A. Rizvi, J.M. Jerrell, J. Zhang<br>University of Mississippi School of Medicine, Jackson, MS, USA | 248 |
| 11:45 | CERTAIN CARDIOVASCULAR RISK FACTORS ARE SIGNIFICANT DETERMINANTS OF LONGEVITY IN INITIALLY HEALTHY WOMEN<br><b>S. Cheng</b> , E. McCabe, M.A. Albert, I. Lee, J.E. Buring, R.J. Glynn, S. Mora<br>Brigham and Women's Hospital, Boston, MA, USA  | 249 |
| 12:00 | OPTIMIZING CARDIOVASCULAR MORTALITY PREDICTION IN RENAL DISEASE WITH ARTIFICIAL INTELLIGENCE<br><b>O. Sandu</b> , I. Nastac, J. Uribarri<br>Albert Einstein College of Medicine, Bronx, NY, USA  | 250 |
| 12:15 | CHANGES IN TOTAL CHOLESTEROL LEVELS IN THE ICELANDIC POPULATION ARE NOT RELATED TO STATIN, BUT RATHER DIETARY FACTORS<br><b>V. Gudnason</b> , B. Thorsson, L. Steingrimsdottir, K. Andersen, G. Sigurdsson, T. Aspelund<br>Icelandic Heart Association, Kopavogur, Iceland   | 251 |
| 12:30 | NIASPIRIN: COMBINATIONS OF NIACIN WITH ASPIRIN TO REDUCE NIACIN INDUCED FLUSH<br><b>R. Thachil</b> , P.S. Carson, S.S. Banka<br>Hahnemann University Hospital/Drexel University College of Medicine, Philadelphia, PA, USA   | 252 |
| 12:45 | OMENTIN SIGNIFICANTLY PREDICTS CARDIOVASCULAR EVENTS INDEPENDENTLY FROM BASELINE CORONARY ARTERY DISEASE<br><b>C.H. Saely</b> , A. Leihner, A. Muendlein, A. Vonbank, P. Rein, K. Geiger, H. Drexler<br>Academic Teaching Hospital Feldkirch, Feldkirch, Austria   | 253 |
| 13:00 | DESPERATELY NEEDED CARDIOVASCULAR EVENT OUTCOME STUDIES IN SOUTH ASIANS<br><b>H.N. Patel</b> , N.T. Aggarwal, A. Khandelwal, A.S. Volgman<br>Rush University Medical Center, Chicago, IL, USA  | 254 |

## SUNDAY, JULY 27, 2014

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11:15 – 14:00

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<b>S27 Session</b>		
<b>ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS (cont.)</b>		
		Abstract No.
13:15	EFFECTS OF HDL-C AND CO-MORBIDITIES ON LONG-TERM OUTCOMES IN OPTIMALLY TREATED REVASCULARIZED CAD PATIENTS <b>S.K. Padala</b> , M.T. Torosoff, M.S. Sidhu, E. Granina, A.E. Seedhom, W.E. Boden Albany Medical Center, Albany, NY, USA	256
13:30	THE EFFECT OF SIROLIMUS ON CHOLESTEROL CRYSTAL VOLUME EXPANSION: IMPLICATIONS FOR PLAQUE STABILIZATION <b>I. Baig</b> , A. Janoudi, R. Huang, G.S. Abela Michigan State University, East Lansing, MI, USA	257
13:45	HIGHER HEART RATE IS INDEPENDENTLY ASSOCIATED WITH OBESITY <b>M.R. Movahed</b> , C. Manrique, M. Hashemzadeh CareMore Health Care Arizona, AZ, USA	258
14:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

## SUNDAY, JULY 27, 2014

11:15 – 13:15

Adrienne Salon

S28

Session

### MECHANISMS OF VASCULAR DISEASES

Chairs: **N.S. Dhalla**, Winnipeg, MB, Canada

**Z.S. Galis**, Bethesda, MD, USA

Abstract No.

- 11:15 THE NOVEL SMALL LEUCINE-RICH REPEAT PROTEIN PODOCAN INHIBITS SMOOTH MUSCLE CELL ACTIVATION AND NEOINTIMA FORMATION VIA MODULATION OF THE CANONICAL WNT-PATHWAY AND IS DIFFERENTLY EXPRESSED IN HUMAN PRIMARY VERSUS RESTENOTIC CORONARY LESIONS **259**  
**R. Hutter**, W. Speidl, L. Huang, C. Gianarelli, J.J.J. Badimon, P. Klotman  
Mount Sinai School of Medicine, New York, NY, USA
- 11:30 MICRORNA-146A INDUCES ENDOTHELIAL PROGENITOR CELL APOPTOSIS AND SENEESCENCE BY TARGETING PLK2 EXPRESSION **260**  
**S. Zhu**, S. Deng, C. Jia, D. Zhuo, Q. Ma, S. Ji, H. Wang,  
P.J. Goldschmidt-Clermont, S. Ma, C. Dong  
University of Miami, Miami, FL, USA
- 11:45 CD137 SIGNALING INCLUDING FACTORS FROM T CELLS AND MACROPHAGES ACCELERATE UNSTABLE ATHEROSCLEROTIC PLAQUE **261**  
I.H. Jung, J. Jin, D.Y. Kim, **G.T. Oh**  
Ewha Womans University, Seoul, Korea
- 12:00 MODULATION OF CYSTEINE-RICH PROTEIN 2 EXPRESSION IN VASCULAR INJURY AND ATHEROSCLEROSIS **262**  
C.H. Chen, H.H. Ho, M.L. Wu, M.D. Layne, **S.F. Yet**  
National Health Research Institutes, Zhunan, Miaoli County, Taiwan
- 12:15 LINC RNA-P21 REGULATES NEOINTIMA FORMATION AND ATHEROSCLEROSIS BY ENHANCING P53 ACTIVITY **263**  
**G.Z. Wu**, Y. Han, C.Y. Chen, Z.P. Huang, J.H. Chen, X.Y. Hu, D.Z. Wang, C.Y. Zeng  
Daping Hospital, Third Military Medical University, Chongqing, China
- 12:30 PRO-ATHEROGENIC ACTIONS OF INTERFERON-GAMMA ON MACROPHAGES IN ATHEROSCLEROSIS **264**  
T.S. Davies, N. Li, J.E. McLaren, T.R. Hughes, **D.P. Ramji**  
School of Biosciences, Cardiff University, Cardiff, UK
- 12:45 HISTOMORPHOMETRIC CHANGES IN THE AORTA OF MICE WITH CHRONIC CHAGAS DISEASE UNDERGOING MILD EXERCISE **265**  
**L. Brianezi**, N.E.A. Lima, F.L.A. Fonseca, L.B.M. Maifrino  
Adventist College Hortolandia, Hortolândia, SP, Brazil
- 13:00 URIC ACID PROMOTES CHEMOKINES AND ADHESION MOLECULES PRODUCTION IN VASCULAR ENDOTHELIAL CELLS AND INCREASES THE MIGRATION AND ADHESION CAPACITIES VIA NUCLEAR FACTOR-KAPPA B SIGNALING PATHWAY **266**  
W.Y. Liang, X.Y. Zhu, X.R. Feng, Y.C. Wang, **M.L. Liu**  
Peking University First Hospital, Beijing, China
- 13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

## SUNDAY, JULY 27, 2014

08:00 – 13:00

Poster Hall

Board No.

Abstract No.

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Chungnam National University, Daejeon, South Korea

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Albany Medical College, Albany, NY, USA
- 3 ANTI-INFLAMMATORY EFFECT OF RESVERATROL IN HUMAN CORONARY ARTERIAL ENDOTHELIAL CELLS VIA AUTOPHAGY: IMPLICATION FOR THE TREATMENT OF KAWASAKI DISEASE 269  
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University of Texas Medical Branch, Galveston, TX, USA

## SUNDAY, JULY 27, 2014

08:00 – 13:00

Poster Hall

### P303 INTERVENTIONAL CARDIOLOGY (cont.)

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Poster Hall

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08:00 – 13:00

Poster Hall

### P305 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT (cont.)

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27	CARVEDILOL AS SINGLE AGENT TREATMENT FOR TRASTUZUMAB CARDIOTOXICITY USING GLOBAL LONGITUDINAL PEAK STRAIN CHANGES A.M. Cook, <b>K.J. Babbitt</b> , L.L. Eberhart, R.C. Phillion, D.E. Langholz, H.L. Sherman Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA	293

### P307 COMPUTERS IN CARDIOLOGY

28	QUALITY AND PHYSICIAN PREFERENCE OF PORTABLE ELECTROCARDIOGRAPHIC DEVICE RHYTHM STRIPS <b>N. Nazir</b> , D. Mehta, C. Bai, J. Soble, A. Volgman Rush University Medical Center, Chicago, Illinois, USA	294
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## SUNDAY, JULY 27, 2014

14:00 – 16:30

Grand Ballroom

### PL13 Plenary Session

#### CARDIAC STRUCTURE AND FUNCTION IN FAILING AND NON-FAILING HEARTS

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

Chairs: **W.H. Gaasch**, USA

**B.I. Jugdutt**, Canada

Abstract No.

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|-------|--|-----|
| 14:00 | ADVERSE LEFT VENTRICULAR REMODELING, INCIDENT HEART FAILURE, AND VENTRICULAR ARRHYTHMIAS (Invited Lecture)<br><b>W.H. Gaasch</b> , Lahey Clinic, Burlington, MA, USA   | 295 |
| 14:15 | AGING AND HEART FAILURE: UPDATE 2014 (Invited Lecture)<br><b>B.I. Jugdutt</b> , University of Alberta and Hospitals, Edmonton, AB, Canada  | 296 |
| 14:30 | HFpEF (HEART FAILURE WITH PRESERVED EJECTION FRACTION) PATHOPHYSIOLOGY: IMPLICATIONS FOR THERAPEUTIC TARGETS (Invited Lecture)<br><b>D.M. Kaye</b> , Baker IDI Heart and Diabetes Institute, Alfred Hospital, Melbourne, Australia   | 297 |
| 14:45 | REGRESSION OF HYPERTROPHY (AND FIBROSIS?) IN HYPERTROPHIC CARDIOMYOPATHY (Invited Lecture)<br>Y.J. Shimada, J.J. Passeri, A.L. Baggish, C. O'Callaghan, P.A. Lowry, B.B. Ghoshhajra, C.Y. Ho, J.L. Januzzi, C.E. Seidman, <b>M.A. Fifer</b><br>Massachusetts General Hospital, Boston, MA, USA | 298 |
| 15:00 | HEART FAILURE WITH PRESERVED EJECTION FRACTION: A MISUNDERSTOOD SYNDROME IN SEARCH OF A THERAPY (Invited Lecture)<br><b>S.D. Solomon</b> , Brigham and Women's Hospital, Boston, MA, USA   | 299 |
| 15:15 | HEART FAILURE RELATED TO CONSTRICTIVE AND RESTRICTIVE CARDIOMYOPATHY: ASSESSMENT BY ECHOCARDIOGRAPHY (Invited Lecture)<br><b>A.M. Amanullah</b> , Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA  | 300 |
| 15:30 | MECHANISTIC INSIGHTS INTO DIASTOLIC HEART FAILURE (HEART FAILURE [HF] PRESERVED EJECTION FRACTION) – WHAT PROGRESS HAVE WE MADE? (Invited Lecture)<br><b>F. Sam</b> , Boston University School of Medicine, Boston, MA, USA  | 301 |
| 15:45 | DYNAMIC LVOT OBSTRUCTION -BEYOND HCM (Invited Lecture)<br><b>A. Chockalingam</b> , University of Missouri, Columbia, MO, USA   | 302 |
| 16:00 | LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC TOTAL OCCLUSION OF LAD: LONG-TERM FOLLOW-UP (Invited Lecture)<br><b>M. Prokudina</b> , I. Konstantinov, N. Malinina, E. Bobrova, E. Karev<br>Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia                       | 303 |
| 16:15 | RIGHT VENTRICULAR FAILURE AFTER IMPLANTATION OF LEFT VENTRICULAR ASSIST DEVICES (Invited Lecture)<br><b>A. Kalogeropoulos</b> , Emory University School of Medicine, Atlanta, GA, USA  | 304 |
| 16:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SUNDAY, JULY 27, 2014

14:00 – 16:15

Martha's Vineyard

### PL14 Plenary Session

#### NOVEL APPROACHES FOR VASCULAR THERAPIES

Chairs: **K. Maiese**, Newark, NJ, USA  
**J-F. Tanguay**, Montreal, QC, Canada

Abstract No.

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|-------|---|-----|
| 14:00 | PRECISION MEDICINE FOR TODAY AND TOMORROW: TARGETING MOLECULAR PATHWAYS FOR VASCULAR DISEASE (Invited Lecture)<br><b>K. Maiese</b> , University of Medicine & Dentistry of New Jersey, Newark, NJ, USA                              | 305 |
| 14:15 | SERPINS AS THERAPY – FROM VIRUS TO MAN (Invited Lecture)<br><b>A. Lucas</b> , University of Florida, Gainesville, FL, USA   | 306 |
| 14:30 | VASCULAR HEALING & BIORESORBABLE SCAFFOLDS: FROM PLATELETS, LEUKOCYTES TO ENDOTHELIAL CELLS (Invited Lecture)<br><b>J-F. Tanguay</b> , Université de Montréal, Canada   | 307 |
| 14:45 | CARDIOVASCULAR RISK FACTORS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)<br><b>C. Chen</b> , Q. Yao, Baylor College of Medicine, Houston, TX, USA  | 308 |
| 15:00 | MANAGING ANGINA AND RISK VIA IMPROVED ENDOTHELIAL FUNCTION: THE EECF MODEL (Invited Lecture)<br><b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA  | 309 |
| 15:15 | INDOXYL SULFATE AND CARDIO-RENAL SYNDROME; THE ROLE OF ARYL HYDROCARBON RECEPTOR (Invited Lecture)<br><b>T. Morita</b> , Toho University Omori Medical Center, Ota-ku, Tokyo, Japan   | 310 |
| 15:30 | SYNERGISTIC REDUCTION OF ATHEROSCLEROSIS BY THE COMBINED LXR LIGAND AND ERK1/2 INHIBITOR---A MULTIPLE MECHANISMS DEPENDENT PATHWAY (Invited Lecture)<br>Y. Chen, Y. Duan, X. Yang, L. Sun, <b>J. Han</b> , Nankai University, China | 311 |
| 15:45 | RESCUE OF PHYSIOLOGIC VASCULAR REPAIR BY CASPASE-INHIBITION: A NOVEL APPROACH TO BETTER TREAT ADVANCED ATHEROSCLEROSIS (Invited Lecture)<br><b>R. Hutter</b> , Mount Sinai Medical Center, New York, NY, USA                        | 312 |
| 16:00 | TRANSLATION OF GENOMIC DISCOVERIES FOR CAD: FUNCTIONAL STUDIES OF ADAMTS7 AS AN EXAMPLE (Invited Lecture)<br><b>M.P. Reilly</b> , University of Pennsylvania School of Medicine, Philadelphia, PA, USA                              | 313 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SUNDAY, JULY 27, 2014

14:00 – 16:30

Nantucket

### S29 Session

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

Chairs: **S.C. Dudley**, Providence, RI, USA  
**C. Snyder**, Cleveland, OH, USA

Abstract No.

- 14:00 SMOKING STATUS AND SURVIVAL AFTER IN-HOSPITAL CARDIAC ARREST – THE SMOKER’S PARADOX REVISITED **314**  
**T. Gupta**, D. Kolte, S. Khera, W.S. Aronow, C. Palaniswamy, M. Mujib, A. Ahmed, D. Jain, G.C. Fonarow, S. Iwai, P. Eugenio, S. Lessner, J.A. Panza  
New York Medical College, Valhalla, NY, USA
- 14:15 A NOVEL APPROACH FOR BIVENTRICULAR PACING: UTILIZING TEMPORARY CORONARY SINUS CATHETER GUIDANCE VIA FEMORAL VEIN APPROACH **315**  
**H. Paydak**, S. Pant, H. Dajani, A. Sheikh, J. Aasbo, D. Singh  
University of Arkansas for Medical Sciences, Little Rock, AR, USA
- 14:30 BASELINE PROLONGED T-PEAK TO T-END/QT INTERVAL MAY PREDICT MORTALITY BUT NOT SUDDEN CARDIAC DEATH IN HEMODIALYSIS PATIENTS **316**  
**B.M. Saour**, J.H. Wang, M.S. Sidhu, R.O. Mathew, D.L. Ernst, J.D. Sacco, W.E. Boden  
Albany Medical Center, Albany, NY, USA
- 14:45 SAFETY AND COST EFFECTIVENESS OF SYNCOPE EVALUATION UNIT **317**  
**P.P. Shah**, S. Bajaj, N.L. Chang, H. Ng, G. Kurtz, C. Johnson, H. Virk, M. Bikkina, F. Shamoon  
Department of Cardiology at St. Joseph’s Regional Medical Center, Paterson, NJ, USA
- 15:00 ARRHYTHMIC OUTCOMES IN ARRHYTHMOGENIC CARDIOMYOPATHY WITH IMPLANTABLE CARディオVERTER DEFIBRILATOR **318**  
**J.M. Lopez-Ayala**, J.J. Sanchez-Munoz, M. Salar-Alcaraz, P. Penafiel-Verdu, M.J. Oliva-Sandoval, D. Lopez-Cuenca, I. Gomez-Milanes, M. Valdes, J.R. Gimeno  
Virgen de la Arrixaca University Hospital, University of Murcia, El Palmar, Murcia, Spain
- 15:15 CIRCULATING MICRORNA CHANGES IN CRT RESPONDERS **319**  
**C. Sardu**, G. Paolisso, R. Marfella  
Second University of Naples, Naples, Italy
- 15:30 THORACOSCOPIC PERICARDIAL PATCH INSULATION FOR INTRACTABLE PHRENIC NERVE STIMULATION FOLLOWING CARDIAC RESYNCHRONIZATION **320**  
B.H. Kirmani, N. Mediratta, **C. Toolan**, J. McKeivith, J. Wright, A. Rao  
Liverpool Heart and Chest Hospital, Liverpool, Mersey, UK
- 15:45 MAGNETIC RESONANCE IMAGING CONDITIONAL PACEMAKER: TREND SETTING TECHNOLOGY – A SINGLE CENTER EXPERIENCE **321**  
L.H. Chebroly, **A. Abichandani**, D. Prutzman, E. Mascarenhas, G. Ferreti, M. Averbach, J. Shirani, D. Traub  
St Luke’s University Hospital, Bethlehem, PA, USA

## SUNDAY, JULY 27, 2014

14:00 – 16:30

Nantucket

S29

Session

**ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY (cont.)**

Abstract No.

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|-------|--|-----|
| 16:00 | SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IMPLANTATION IN PATIENTS AFTER DEVICE EXTRACTION<br><b>A. Gupta</b> , F. Subzposh, H. Saltzman, S.P. Kutalek<br>Drexel University College of Medicine, Philadelphia, PA, USA | 322 |
| 16:15 | LOW-ENERGY DIETS: AN IMPORTANT CAUSE FOR ACQUIRED LONG QT SYNDROME AND UNEXPECTED SUDDEN DEATH<br><b>D.B. Petrov</b> , M.H. Milanova<br>Emergency Hospital Pirigov, Sofia, Bulgaria  | 323 |
| 16:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SUNDAY, JULY 27, 2014

14:00 – 16:15

Adrienne Salon

<b>S30 Session</b>	
<b>INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI</b>	
Chairs: <b>A. Kumar</b> , Amritsar, India <b>J.D. Marsh</b> , Little Rock, AR, USA	
	Abstract No.
14:00	NEW ORAL ANTICOAGULANTS IN PATIENTS WITH CANCER: CURRENT STATE OF EVIDENCE <b>324</b> <b>P. Sardar</b> ; S. Chatterjee, E. Herzog; G. Pekler, S. Mushiyevev; L.J. Pastori; F. Visco; W.S. Aronow New York Medical College, Department of Medicine, New York, NY, USA
14:15	THE IMPACT OF THE DISTANCE FROM THE INTERVENTIONAL CARDIOLOGIST'S HOME TO THE HOSPITAL DURING OFF HOURS. IS THERE A NEED FOR 24/7 IN HOSPITAL STEMI TEAM? <b>325</b> <b>A. Lotfi</b> , G. Alreja, M.A. Kashef, G.R. Giugliano, J. Garb, M. Schweiger Baystate Medical Center/Tufts University School of Medicine, Springfield, MA, USA
14:30	USING MAGNETIC STRUTS TO ALLEVIATE ADVERSE HAEMODYNAMIC FLOW EFFECTS AROUND DRUG-ELUTING STENTS <b>326</b> <b>P.R.S Vijayaratnam</b> , T.J. Barber, J.A. Reizes University of New South Wales, Kensington, NSW, Australia
14:45	SAFETY AND EFFICACY OF DEGRADABLE VS. PERMANENT POLYMER DRUG-ELUTING STENTS. A META-ANALYSIS OF 18,395 PATIENTS FROM RANDOMIZED TRIALS <b>327</b> Y. Wang, S. Liu, Y. Luo, F. Wang, H. Liu, L.g Li, <b>X. Zhao</b> , L. Huang Third Military Medical University, Chongqing, P.R. China
15:00	OUTCOMES OF PTFE COVERED STENTS IMPLANTED DURING PCI FOR MANAGEMENT OF ACUTE CORONARY PERFORATION <b>328</b> <b>B.C. Barnett</b> , G. Berrio, D.S. Gantt Texas A&M/Baylor-Scott and White Hospital, Temple, TX, USA
15:15	MID-TERM OUTCOMES OF HIGH RISK LEFT MAIN CORONARY ARTERY PERCUTANEOUS CORONARY INTERVENTION (PCI) IN AN ELDERLY POPULATION <b>329</b> A.M. Pineda, C.G. Mihos, <b>S. Horvath</b> , F.O. Nascimento, S.K. Kodali, A.J. Kirtane, N. Beohar, Columbia University Division of Cardiology at Mount Sinai Heart Institute, Miami Beach, FL, USA
15:30	LONG-TERM OUTCOMES OF PERCUTANEOUS TREATMENT OF LEFT MAIN: DEDICATED STENT VERSUS USUAL TREATMENT WITH DES <b>330</b> <b>F.J. Martinez-Garcia</b> , L.A. Iñigo-Garcia, L. Fernandez-Lopez, O .Sanz-Vazquez, J.R. Siles-Rubio, A. Ramirez-Moreno, F. Ruiz-Mateas Hospital Costa del Sol, Marbella, Spain

## SUNDAY, JULY 27, 2014

14:00 – 16:15

Adrienne Salon

**S30 Session**

**INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI (cont.)**

Abstract No.

- 15:45 OUTCOMES OF PATIENTS TREATED WITH DRUG ELUTING STENTS WITH BIODEGRADABLE VERSUS BIOSTABLE POLYMER **331**  
**L.A. Iñigo-Garcia**, L. Fernandez-Lopez, J.R. Siles-Rubio, A. Ramirez-Moreno, O. Sanz-Vazquez, A. Urbaneja-Salas, P. Chincurreta-Capote, J. Muñoz-Bellido, M. Pombo-Jimenez, F. Ruiz-Mateas  
Hospital Costa del Sol, Marbella, Malaga, Spain
- 16:00 INTER-PROVIDER VARIATION IN DIAGNOSES AND CARDIAC CATHETERIZATION USE **332**  
**N. Agarwal**, L. Burke, C. Schmalfuss, D.E. Winchester  
University of Florida, Gainesville, FL, USA
- 16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SUNDAY, JULY 27, 2014

16:45 – 19:00

Grand Ballroom

### PL15 Plenary Session

#### HYPERTENSION – RISK AND MANAGEMENT

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

- 16:45 2014 UPDATE ON MANAGEMENT OF HYPERTENSION (Invited Lecture) **333**  
**W.S. Aronow**  
Westchester Medical Center/New York Medical College, Valhalla, NY, USA
- 17:00 OPTIMAL BLOOD PRESSURE LEVELS IN THE ELDERLY? RESULTS OF **334**  
REGARDS STUDY. SHOULD WE CORRECT THE GUIDELINES? (Invited Lecture)  
**M. Banach**, S. Bromfield, G. Howard, V.J. Howard, A. Zanchetti, W.S. Aronow,  
A. Ahmed, M.S. Safford, P. Muntner  
Medical University of Lodz, Poland
- 17:15 DUAL AT1 RECEPTOR/NEPRILYSIN INHIBITION ('ARNI') IN HYPERTENSION: **335**  
AN IMPROVEMENT VERSUS AT1 RECEPTOR BLOCKADE? (Invited Lecture)  
**A.H.J. Danser**, L.C.W. Roksnoer, W.W. Batenburg  
Erasmus Medical Center, Rotterdam, The Netherlands
- 17:30 GI PROTEINS, NATRIURETIC PEPTIDE RECEPTOR C AND REGULATION **336**  
OF BLOOD PRESSURE (Invited Lecture)  
Y. Li, O. Sarkar, M. Brochu, **M. Anand-Srivastava**  
University of Montreal, Montreal, Quebec, Canada
- 17:45 ANTIHYPERTENSIVE EFFECT OF FLAXSEED (Invited Lecture) **337**  
**K. Prasad**, University of Saskatchewan, Saskatoon, SK, Canada
- 18:00 NON PHARMACOLOGICAL AND CATHETER BASED THERAPY OF **338**  
DIFFICULT TO TREAT (D2T) HYPERTENSION (Invited Lecture)  
**S.K. Koshiy**, L.K. George, UT Health Sciences Center, Memphis, TN, USA
- 18:15 BLOOD PRESSURE AND THE RISK OF CARDIOVASCULAR DISEASE **339**  
AMONG PATIENTS WITH TYPE 2 DIABETES (Invited Lecture)  
**G. Hu**, Pennington Biomedical Research Center, Baton Rouge, LA, USA
- 18:30 SLEEP-TIME BLOOD PRESSURE AS A THERAPEUTIC TARGET FOR **340**  
CARDIOVASCULAR RISK REDUCTION (Invited Lecture)  
**R.C. Hermida**, D.E. Ayala, A. Mojon, J.R. Fernandez  
Campus Universitario, Vigo, Pontevedra, Spain
- 18:45 PREVALENCE AND CLINICAL IMPLICATIONS OF SLEEP-TIME **341**  
HYPERTENSION (Invited Lecture)  
**D.E. Ayala**, R.C. Hermida  
Campus Universitario, Vigo, Pontevedra, Spain



**PL16 Plenary Session**

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

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

Abstract No.

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|-------|--|-----|
| 16:45 | PERICUTANEOUS HEMODYNAMIC SUPPORT FOR HIGH RISK PCI: INDICATIONS AND RESULTS (Invited Lecture)<br><b>G.W. Vetrovec</b> , VCU Medical Center Richmond, VA, USA  | 342 |
| 17:00 | CURRENT MANAGEMENT OF THE CORONARY CHRONIC TOTAL OCCLUSION (Invited Lecture)<br><b>B.F. Uretsky</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA  | 343 |
| 17:15 | PCI VERSUS CABG IN MULTIPLE VESSEL CAD (Invited Lecture)<br><b>A. Kumar</b> , Govt Medical College/GND Hospital, Amritsar, India   | 344 |
| 17:30 | UPDATE ON CORONARY BIFURCATION CLASSIFICATION AND TECHNIQUES (Invited Lecture)<br><b>M.R. Movahed</b> , The Southern Arizona VA Health Care System, Tucson, AZ, USA  | 345 |
| 17:45 | MANAGEMENT STRATEGIES OF COMBINED SEVERE SYMPTOMATIC CAROTID & CORONARY ARTERY DISEASE (Invited Lecture)<br><b>M.S. Abu-Fadel</b> , University of Oklahoma HScC, Oklahoma City, OK, USA  | 346 |
| 18:00 | BIOMARKERS IN CARDIAC ALLOGRAFT VASCULOPATHY (Invited Lecture)<br><b>N. Nair</b> , Sacred Heart Medical Center, Spokane, WA, USA   | 347 |
| 18:15 | ASSOCIATION OF COAGULOPATHY AND IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS (Invited Lecture)<br><b>M. Mujib</b> , W.S. Aronow, G.M. Lanier, D. Kolte, S. Khera, C. Palaniswamy, P. Harikrishnan, C. Iragavarapu, T. Ahmed, D. Jain, S. Sule, G.C. Fonarow, A. Ahmed, W.H. Frishman, A.L. Gass, S.D. Prabhu, J.A. Panza<br>New York Medical College, Valhalla, NY, USA | 348 |
| 18:30 | SHOULD CILOSTAZOL BE INCLUDED INTO THE TREATMENT POST CAROTID STENTING? : A META-ANALYSIS<br><b>D. Garcia</b> , M. Ansari, A. Benjo, R. Nascimento, G. ElHayek, A. Ghatak, A. Schob, C. Mendoza, A. Ferreira<br>University of Miami/Jackson Memorial Hospital – Miami, FL, USA   | 349 |
| 18:45 | DECREASED INCIDENCE OF ATRIAL FIBRILLATION FOLLOWING OPEN HEART SURGERY USING MODIFIED DEL NIDO CARDIOPLEGIA<br><b>D. Loberman</b> , R.C. Neely, D. Fitzgerald, S. McGurk, T.K. Rajab, I. Gosev, A. Grewal, L.H. Cohn, M. Leacche, S.F. Aranki<br>Brigham and Women's Hospital, Boston, MA, USA  | 350 |
| 19:00 | CHRONIC OBSTRUCTIVE PULMONARY DISEASE IS ASSOCIATED WITH WORSE SURVIVAL IN PATIENTS RECEIVING HEART TRANSPLANT: ANALYSIS FROM UNOS REGISTRY<br><b>S.G. Al-Kindi</b> , M.Y. Qattan, M. Ginwalla, C. ElAmm, G.H. Oliveira<br>University Hospitals Case Medical Center, Cleveland, OH, USA  | 351 |

## SUNDAY, JULY 27, 2014

16:45 – 19:45

Nantucket

S31

Session

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

Chairs: **H. Paydak**, Little Rock, AR, USA

**F. Violi**, Roma, Italy

Abstract No.

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|-------|---|-----|
| 16:45 | ASSOCIATION OF VITAMIN D DEFICIENCY WITH ATRIAL FIBRILLATION<br>F. Shah, A. Mohamed, <b>D. Doukas</b> , G. Cotseones, K. Machnica, M.G. Rabbat<br>Loyola University Medical Center, Maywood, IL, USA  | 352 |
| 17:00 | BRIEF EPISODES OF SILENT ATRIAL FIBRILLATION PREDICT CLINICAL<br>VASCULAR BRAIN DISEASE IN TYPE 2 DIABETIC PATIENTS<br><b>C. Sardu</b> , G. Paolisso, R. Marfella<br>Second University of Naples, Naples, Italy   | 353 |
| 17:15 | ADENOSINE A2A RECEPTORS FUNCTION IN VASOVAGAL SYNCOPE<br><b>R. Guieu</b> , N. Kipson, F. Franceschi, J. Fromonot, J. Condo, J.C. Deharo,<br>M. Brignole, E. Fenouillet, J. Ruf<br>Aix Marseille University and IRBA, Marseille, France  | 354 |
| 17:30 | PREGNANCY IS ASSOCIATED WITH AN INCREASED DENSITY OF THE<br>PACEMAKER CURRENT I-F IN MURINE SINOATRIAL NODE<br>N. El Khoury, S. Mathieu, L. Marger, J. Ross, G. El Gebeily, N. Ethier, <b>C. Fiset</b><br>Université de Montréal, Montreal, Quebec, Canada  | 355 |
| 17:45 | ADOPTION OF SMARTPHONES, TABLETS AND MOBILE APPLICATIONS<br>AMONG PATIENTS WITH ATRIAL FIBRILLATION<br><b>V. Benvenuto</b> , G. Baquero, D. Scher, S. LaPine, S. Hess, J. Fragin, K. Heron,<br>L. Douglas, W. Curry, J. Banchs<br>Penn State Hershey Medical Center, Hershey, PA, USA   | 356 |
| 18:00 | PULMONARY VEIN ANTIM CIRCULAR ABLATION PLUS LONGITUDINAL<br>MAPPING AND ABLATION TO THE RESIDUAL MUSCULATURE<br>FASCICLES OF THE PULMONARY VEINS IMPROVES THE IMMEDIATE<br>AND LONG-TERM EFFICACY OF PAROXYSMAL ATRIAL FIBRILLATION<br><b>C. Lu</b> , Y. Zhang, R. Zhang, Q. Xu, Y. Huang, M. Liu<br>PLA General Hospital, Beijing, China | 357 |
| 18:15 | SCREENING FOR ATRIAL FIBRILLATION USING A BLOOD PRESSURE<br>MONITOR: OMRON VS MICROLIFE<br><b>J. Wiesel</b> , B.Z. Arbesfeld, D. Schechter<br>NYU Langone Medical Center, New York, NY, USA   | 358 |
| 18:30 | IMPACT OF CATHETER ABLATION ON P-WAVE PARAMETERS ON<br>12- LEAD ELECTROCARDIOGRAM IN PATIENTS WITH ATRIAL FIBRILLATION<br><b>A. Maan</b> , M. Mansour, J.N. Ruskin, E.K. Heist<br>Massachusetts General Hospital, Boston, MA, USA   | 359 |

## SUNDAY, JULY 27, 2014

16:45 – 19:45

Nantucket

**S31 Session**  
**ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION (cont.)**

Abstract No.

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| 18:45 | TO DESCRIBE OUR EXPERIENCE WITH ARCTIC FRONT ADVANCE CRYOBALLOON ABLATION SYSTEM IN THE TREATMENT OF PAROXYSMAL ATRIAL FIBRILLATION AT A HIGH VOLUME CENTER IN THE U.S.<br><b>S. Banga</b> , N. Chalfoun, D. Elmouchi, A. Gauri, M. Dahu, B. Finta<br>GRMEP, Grand Rapids, Michigan, USA                                 | 360 |
| 19:00 | DOES TREATMENT STRATEGY FOR ATRIAL FIBRILLATION AFFECT MYOCARDIAL CONTRACTILITY?<br>V. Podzolkov, A. Tarzimanova, M. Pisarev, I. Loriya, <b>L. Mohammadi</b><br>First Moscow State Medical University I.M. Sechenov, Moscow, Russia  | 361 |
| 19:15 | COMPARISON OF VARIOUS FATTY ACID ROLES ON THE RISK OF ATRIAL FIBRILLATION AMONG ADULT TAIWANESE FROM A COMMUNITY-BASED COHORT STUDY<br><b>K.L. Chien</b> , H.C. Hsu, P.C. Chen, H.J. Lin, T.C. Su, M.F. Chen, Y.T. Lee<br>College of Public Health, National Taiwan University, Taipei, Taiwan                           | 362 |
| 19:30 | ELECTROPHYSIOLOGICAL STUDIES IN PATIENTS WITH PAROXYSMAL TACHYCARDIA WITHOUT ECG DOCUMENTATION: PREVALENCE OF INDUCIBLE ARRHYTHMIAS AND CLINICAL OUTCOME. A PROSPECTIVE REGISTRY<br><b>J. Lauschke</b> , J. Schneider, R. Schneider, C. Nesselmann, T. Tischer, D. Bansch<br>University Medical Center, Rostock, Germany | 363 |

**S32 Session**

**MOLECULAR / CELLULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE**

Chairs: **T. Malinski**, Athens, OH, USA  
**N. Maulik**, Farmington, CT, USA

Abstract No.

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| 16:45 | IVABRADINE INHIBITS APOPTOSIS AND NECROSIS IN PRIMARY AND CULTURED CARDIAC MYOCYTES EXPOSED TO HYPOXIA REOXYGENATION INSULT THROUGH ITS HCN CHANNEL BLOCKING ACTIVITY<br><b>P.K. Witting</b> , A.C. McMahon, H-B Kim, A-M Maw, S.B. Freedman<br>The University of Sydney, Sydney, NSW, Australia   | 364 |
| 17:00 | RANOLAZINE ADMINISTERED AFTER DOXORUBICIN TREATMENT, PREVENTS CARDIOTOXICITY IN MICE<br><b>N. Maurea</b> , C. Coppola, G. Piscopo, D. Rea, C. Maurea, F. Galletta, E. Esposito, I. Capasso, C. Arra, R.V. Iaffaioli<br>National Cancer Institute Pascale Foundation IRCCS, Naples, Italy   | 365 |
| 17:15 | REMOTE ISCHAEMIC PRECONDITIONING ATTENUATES EGR-1 EXPRESSION FOLLOWING MYOCARDIAL ISCHAEMIA REPERFUSION INJURY THROUGH ACTIVATION OF THE JAK-STAT PATHWAY, NITRIC OXIDE SIGNALLING AND SUPEROXIDE GENERATED BY NADPH OXIDASES<br><b>H. Mudaliar</b> , B. Rayner, M. Billah, W. Lay, R. Bhindi<br>Kolling Institute of Medical Research, Royal North Shore Hospital, Sydney, New South Wales, Australia | 366 |
| 17:30 | ALPHA LINOLENIC ACID-RICH FLAXSEED REGULATES SURVIVAL IN CARDIOMYOCYTES<br>F. Carotenuto, M. Minieri, S. Melino, <b>P. Di Nardo</b><br>Tor Vergata University, Rome, Italy   | 367 |
| 17:45 | BRANCHED-CHAIN AMINO ACIDS PREVENT HEART FAILURE IN RATS<br><b>Y. Tanada</b> , T. Shioi, A. Kawamoto, J. Okuda, T. Kimura<br>Kyoto University Graduate School of Medicine, Kyoto, Japan  | 368 |
| 18:00 | DECIPHERING THE SYSTEMS BIOLOGY OF MICRORNAS IN PULMONARY HYPERTENSION AND CARDIOVASCULAR DISEASE<br><b>S.Y. Chan</b><br>Brigham and Women's Hospital/Harvard Medical School, Boston, MA, USA  | 369 |
| 18:15 | PROTEIN TYROSINE PHOSPHATASES AS NOVEL THERAPEUTIC TARGET AGAINST ACUTE CARDIAC ISCHEMIA<br><b>C.F. Cheng</b> , Y.Y. Chen, W.S. Lian, K.H. Khoo, T.C. Meng<br>Tzu Chi General Hospital, Hualien, Taiwan  | 370 |
| 18:30 | OPTICAL MOLECULAR IMAGING OF ATHEROMA INFLAMMATION IN MURINE CAROTID PLAQUES WITH A NOVEL, MANNOSE RECEPTOR TARGETING NEAR-INFRARED FLUORESCENCE PROBE<br>J.B. Kim, K.S. Park, J.H. Ryu, J.W. Song, O.K. Park, D.J. Oh, D.G. Gweon, H.K. Yoo, <b>J.W. Kim</b><br>Korea University Guro Hospital, Seoul, South Korea  | 371 |

## P401 GENETICS OF HEART DISEASE

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Virgen de la Arrixaca University Hospital, University of Murcia, El Palmar, Murcia, Spain
- 2 CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY 373  
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Easton Cardiovascular Associates, Easton Hospital, Drexel University, Easton, PA, USA

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**P403 LIPIDS, LIPOPROTEIN DISORDERS AND CAD**

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8	<p>EFFICACY AND TOLERABILITY OF TWO DIFFERENT FORMULATIONS OF ATORVASTATIN IN PATIENTS WITH HYPERCHOLESTEROLEMIA; MULTICENTER, PROSPECTIVE, RANDOMIZED TRIAL</p> <p><b>S.H. Kim</b>, H.L. Lee, H.L. Kim, J.B. Seo, W.Y. Chung, J.H. Zo, M.A. Kim, K.J. An Seoul Boramae Medical Center, Seoul National University College of Medicine, Korea</p>	379
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**P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT**

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13:30 – 18:30

Poster Hall

### P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT (cont.)

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14	ASSOCIATION OF FRIESINGER SCORE AND ELEVATED SERUM TRANSAMINASE LEVELS IN OCTOGENARIANS <b>S. Madan</b> , D. Singal, C.S. Pitchumoni Drexel University College of Medicine/Saint Peters University Hospital, New Brunswick, NJ, USA	385
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16	DETERMINANTS OF THE HEALTH-RELATED QUALITY OF LIFE IN MALE PATIENTS WITH CORONARY ARTERY DISEASE <b>N. Arat</b> , S. Usalp, O. Demiroz, C. Ciftci Istanbul Science University, Medical School, Istanbul, Turkey	387
17	HYPOMAGNEAEMIA IN MENOPAUSAL WOMEN; RELATIONSHIPS WITH ATHEROSCLEROSIS RISK FACTORS AND LOW LEVEL INFLAMMATORY SYNDROME IN PATIENTS WITH CARDIOVASCULAR DISEASE <b>I.A. Gutiu</b> , A.I. Gutiu, F.S. Radulescu "Carol Davila" University of Medicine and Pharmacy, Bucuresti, Romania	388
<b>P405 PRIMARY PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE</b>		
18	MACRONUTRIENT INTAKE IS NOT ASSOCIATED WITH CORONARY ARTERY CALCIFICATION IN HEALTHY KOREAN ADULTS <b>K.C. Sung</b> , S.H. Lee Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea	389
19	RISK OF STROKE AND MYOCARDIAL INFARCTION IN WOMEN WITH LOW SOCIAL SUPPORT IN RUSSIA OVER 16 YEARS: MONICA-PSYCHOSOCIAL EPIDEMIOLOGICAL STUDY D.O. Panov, <b>V.V. Gafarov</b> , E.A. Gromova, I.V. Gagulin, A.V. Gafarova Research Institute of Internal and Preventive Medicine SB RAMS, Novosibirsk, Russia	390
20	CARDIOVASCULAR CLINIC IMPACT ON RISK FACTOR MODIFICATION IN AN INNER-CITY, UNINSURED POPULATION P.A. Levin, K.I. Khalaf, K. Omidvar, Z. Chen, P.R. Orlander, <b>F. Fuentes</b> University of Texas Health Science Center at Houston, Houston, TX, USA	391

## SUNDAY, JULY 27, 2014

13:30 – 18:30

Poster Hall

### **P406 LEFT VENTRICULAR HYPERTROPHY / HYPERTROPHIC CARDIOMYOPATHY / DIASTOLIC DYSFUNCTION**

Board No.

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- 21 CHRONIC HEART FAILURE PATIENTS WITH REDUCED VERSUS PRESERVED EJECTION FRACTION IN SAUDI ARABIAN COHORT **392**  
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- 27 STUDY THE EFFECT OF CORONARY ARTERY BYPASS GRAFT (CABG) WITH EXTRA CORPOREAL CIRCULATION (ECC) ON HEARING STATUS: ASSESSING A WIDE RANGE OF FREQUENCIES PRE-AND POST – OPERATIVELY **398**  
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## SUNDAY, JULY 27, 2014

13:30 – 18:30

Poster Hall

### P408      **CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOMES**

Board No.		Abstract No.
28	COMPLIANCE AND UTILIZATION OF REMOTE HOME MONITORING FOR FIRST TRANSMISSION IN PATIENTS GIVEN MONITORS AT TIME OF CARDIAC DEVICE IMPLANTATION <b>S. Banga</b> , N. Chalfoun, S. VanBeek, B. Finta, M. Dahu, D. Elmouchi, A. Woelfel, A. Davis, A. Gauri GRMEP, Grand Rapids, Michigan, USA	511
29	SAFETY AND CLINICAL OUTCOMES OF SAME DAY DISCHARGE IN PATIENTS UNDERGOING ELECTIVE CARDIAC DEVICE IMPLANTATION <b>S. Banga</b> , N. Chalfoun, D. Elmouchi, B. Finta, A. Woelfel, M. Dahu, A. Gauri GRMEP, Grand Rapids, Michigan, USA	512
30	PROVIDING EQUITY IN CARE DELIVERY BY RACE, ETHNICITY AND LANGUAGE: TEXAS HEALTH RESOURCES' INITIAL REVIEW <b>J. Cheirif</b> , A. Gracia, J. Veliz, L. Gerbig, M. Kini, M. Daja, T. Keller, M. Restrepo, M. Reyna, M. Vecchio T. Ngueyn, D. Varga Texas Health Resources, Arlington, TX, USA	399
31	THE COST AND BENEFITS OF HELICOPTER EMERGENCY MEDICAL SERVICES INSTEAD OF THE GROUND UNIT IN CHEST TRAUMATIC PATIENTS: A COST-EFFECTIVENESS ANALYSIS A. Shamsakhtari, N. Saadatjafari, H. Kariman, <b>M. Nourizadeh</b> , N. Asadina Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran	400
32	SERIAL ECHOCARDIOGRAPHY FOR EARLY DIAGNOSIS OF CARDIOTOXICITY IN BREAST CANCER PATIENTS TREATED WITH TRASTUZUMAB <b>F. Shah</b> , D. Silverman, P. Doloto, K.C. Micetich, J.T. Barron Loyola University Medical Center, Maywood, IL, USA	401
33	PREDICTORS OF MORTALITY IN HOSPITALIZED PATIENTS WITH HYPERKALEMIA J.B. Khanagavi, P.M. Phatak, <b>T. Gupta</b> , W.S. Aronow, J. Garg, S. Sule New York Medical College, Valhalla, NY, USA	402
34	A SINGLE-CENTER RETROSPECTIVE COMPARISON OF STRESS ECHOCARDIOGRAPHY UTILIZATION BETWEEN FAMILY MEDICINE PHYSICIANS AND INTERNISTS <b>A. Chaudhry</b> , G.A. Baquero, W.R. Davidson, A.J. Foy Penn State Hershey Medical Center, Hershey, PA, USA	403



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ANNUAL SCIENTIFIC SESSIONS 2014  
19th WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 25-28, 2014

**SCIENTIFIC  
PROGRAM**

Monday, July 28, 2014

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# MONDAY, JULY 28, 2014

08:30 – 11:00

Martha's Vineyard

## PL17 Plenary Session

### DIET, LIFESTYLE AND CVD PREVENTION – NEW ORIGINS

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

**E. Barrett-Connor**, La Jolla, CA, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | IS THE DASH DIET THE OPTIMAL DIET FOR HEART FAILURE PATIENTS? (Invited Lecture)<br><b>M.A. Silver</b> , Advocate Christ Medical Center, University of Illinois, IL, USA   | 404 |
| 08:45 | MEDITERRANEAN DIET AND SECONDARY PREVENTION OF CVD (Invited Lecture)<br><b>D.B. Panagiotakos</b> , Harokopio University, Athens, Greece   | 405 |
| 09:00 | LOOKING BACK ON THE LOOK AHEAD TRIAL (Invited Lecture)<br><b>E. Barrett-Connor</b> , University of California San Diego, La Jolla, CA, USA  | 406 |
| 09:15 | SATURATED FAT INTAKE AND THE GENESIS OF CORONARY ARTERY DISEASE – WHERE'S THE EVIDENCE? (Invited Lecture)<br>S. Vallurupalli, <b>J.L. Mehta</b> ,<br>University of Arkansas for Medical Sciences, Little Rock, AR, USA  | 407 |
| 09:30 | INTEGRATING NUTRITION EDUCATION INTO THE CARDIOVASCULAR CURRICULUM CHANGES MEDICAL STUDENT EATING HABITS (Invited Lecture)<br><b>R. Zelis</b> , E. Vargas<br>Pennsylvania State University, Hershey Medical Center, Hershey, PA, USA                                    | 408 |
| 09:45 | DO VITAMIN AND MINERAL SUPPLEMENTS HAVE A ROLE IN CARDIOVASCULAR DISEASE PREVENTION? (Invited Lecture)<br><b>H.D. Sesso</b> , Brigham and Women's Hospital, Boston, MA, USA   | 409 |
| 10:00 | ALTERNATE HEALTHY EATING INDEX, MEDITERRANEAN AND DASH DIETARY PATTERNS AND RISK OF DEATH IN THE PHYSICIAN'S HEALTH STUDY (Invited Lecture)<br><b>L. Djousse</b> , A. Petrone, J.M. Gaziano<br>Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA | 410 |
| 10:15 | RACIAL DIFFERENCES IN VITAMIN D/PARATHYROID HORMONE ENDOCRINE SYSTEM AND CARDIOVASCULAR DISEASE (Invited Lecture)<br><b>Y. Song</b> , Indiana University, Indianapolis, IN, USA   | 411 |
| 10:30 | DIETARY FATTY ACIDS COMPOSITION AS A RISK FACTOR FOR CARDIOMETABOLIC DISORDERS: BEYOND THE CALORIES (Invited Lecture)<br><b>L. Wang</b> , Brigham and Women's Hospital, Boston, MA, USA   | 412 |
| 10:45 | THE ROLE OF EXERCISE AND REHABILITATION FOR HEART FAILURE PATIENTS (Invited Lecture)<br><b>C. Chrysohoou</b> , Hippokraton Hospital, University of Athens, Greece   | 413 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

# MONDAY, JULY 28, 2014

08:30 – 10:45

Nantucket

**PL18 Plenary Session**

**ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE**

Chairs: **P.A. Heidenreich**, Palo Alto, CA, USA

**V.H. Pitzalis**, Greenville, NC, USA

Abstract No.

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|-------|--|-----|
| 08:30 | THE MANAGEMENT OF PATIENTS WITH ADVANCED HEART FAILURE (Invited Lecture)<br><b>V.H. Pitzalis</b> , East Carolina University, The Brody School of Medicine, Greenville, NC, USA   | 414 |
| 08:45 | CAN WE PREVENT HEART FAILURE READMISSIONS? (Invited Lecture)<br><b>P.A. Heidenreich</b> , Stanford University, Palo Alto, CA, USA  | 415 |
| 09:00 | ROLE OF THE “PERIPHERY” IN HEART FAILURE AND PRESERVED EJECTION FRACTION (Invited Lecture)<br><b>J.A. Chirinos</b> , University of Pennsylvania School of Medicine, Philadelphia, PA, USA  | 416 |
| 09:15 | CARDIORENAL SYNDROME: NOT AS STRAIGHT FORWARD AS WE USED TO THINK (Invited Lecture)<br><b>A. Kazory</b> , University of Florida, Gainesville, FL, USA  | 417 |
| 09:30 | NEW TECHNOLOGIES TO IMPROVE CRT OUTCOME (Invited Lecture)<br><b>K. Seidl</b> , Klinikum Ingolstadt, Germany  | 418 |
| 09:45 | COLCHICINE AND NEW MANAGEMENT STRATEGIES FOR ACUTE AND RECURRENT PERICARDITIS (Invited Lecture)<br><b>M. Imazio</b> , Maria Vittoria Hospital, Torino, Italy   | 419 |
| 10:00 | SKELETAL MUSCLE HYPERTROPHY INDUCED BY NOVEL KAATSU REHABILITATION AND PREVENTION OF SARCOPENIA (Invited Lecture)<br><b>T. Nakajima</b> , T. Yasuda, S. Koide, Y. Sato, T. Morita, T. Tomaru, Y. Kano<br>University of Tokyo, Tokyo, Japan   | 420 |
| 10:15 | PERICARDIAL INVOLVEMENT FREQUENTLY COMPLICATING PULMONARY AND/OR SYSTEMIC SARCOID GRANULOMATOSIS. A LIFE-LONG, MULTI STAGE DISEASE, PERIODICAL STUDY IN 278 BIOPSY – PROVEN SARCOIDOSIS PATIENTS (Invited Lecture)<br>I. Angomachalelis, G. Kyriazis, <b>N. Angomachalelis</b><br>Aristotle University of Thessaloniki, “G.Papanickolaou” General Hospital, Greece | 421 |
| 10:30 | IMATINIB: A NOVEL CANDIDATE FOR TREATMENT OF PERMEABILITY EDEMA (Invited Lecture)<br><b>G.P. van Nieuw Amerongen</b> , VU University Medical Center, Amsterdam, The Netherlands  | 422 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**S33 Session**

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

	Chair: <b>M.J. Sanz</b> , Valencia, Spain <b>M. Zahid</b> , Pittsburgh, PA, USA	Abstract No.
08:30	PHARMACOGENETICS-GUIDED INDIVIDUAL WARFARIN DOSING IN A CARDIOLOGY CLINIC – A PERSPECTIVE OBSERVATORY STUDY <b>W.Q. Fan</b> , Y. Wu, B. Khalighi, A. Mirabbasi, R. Thachil, E.J. Mascarenhas, K. Khalighi, Easton Hospital, Drexel University, Easton, PA, USA	423
08:45	A MICRO-RNA-410 REGULATED LIPOPROTEIN LIPASE POLYMORPHISM IS ASSOCIATED WITH TRIGLYCERIDES AND STROKE INCIDENCE <b>D. Corella</b> , O. Coltell, J.V. Sorli, R. Estruch, M. Fito, F. Aros, E. Ros, J. Lapetra, G.T. Saez, J.M. Ordovas Instituto de Salud Carlos III, Madrid, Spain	424
09:00	ATF3 PROTECT AGAINST PRESSURE OVERLOAD HEART FAILURE VIA BECLIN-1 PATHWAY <b>C.F. Cheng</b> , S.F. Li, H. Lin, Tzu Chi General Hospital, Hualien, Taiwan	425
09:15	RAPID UP-REGULATION AND CLEARANCE OF DISTINCT CIRCULATING MICRORNAs AFTER PROLONGED AEROBIC EXERCISE A.L. Baggish, <b>J. Park</b> , P-K.Min, S. Isaacs, B.A. Parker, P.D. Thompson, C. Troyanos, P. D'Hemecourt, S. Dyer, M. Thiel, A. Hale, S.Y. Chan Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA	426
09:30	RANOLAZINE PREVENTS TRASTUZUMAB-CARDIOTOXICITY IN EXPERIMENTAL MODELS <b>N. Maurea</b> , C. Coppola, G. Piscopo, D. Rea, C. Maurea, F. Galletta, E. Esposito, I. Capasso, P. Maiolino, C. Arra National Cancer Institute Pascale Foundation IRCCS, Naples, Italy	427
09:45	VARIATION IN THE MINICHROMOSOME MAINTENANCE COMPLEX COMPONENT 6 GENE, DAIRY INTAKE AND CARDIOVASCULAR RISK <b>O. Coltell</b> , C. Ortega-Azorin, M.A. Martinez-Gonzalez, J. Salas-Salvado, L. Serra-Majem, E. Gomez-Gracia, V. Ruiz-Gutierrez, M. Fiol, X. Pinto, D. Corella Instituto de Salud Carlos III, Madrid, Spain	428
10:00	GENE ELECTRO TRANSFER OF PVEGF INDUCES ANGIOGENESIS AND IMPROVES CARDIAC FUNCTION IN A PORCINE ISCHEMIA MODEL <b>B. Hargrave</b> , R. Strange, Jr., C. Lundberg, N. Burcus, A. Bulysheva, R. Heller Old Dominion University, Norfolk, VA, USA	429
10:15	THE FAMILY HISTORY AND GENETIC RISK DISCONNECT IN WOMEN <b>B.T. Costello</b> , R. Doukky, G.P. Lundberg, L.T. Braun, A.S. Volgman Rush University Medical Center, Chicago, Illinois, USA	430
10:30	REPETITIVE APPLICATION OF RESTRICTION OF MUSCLE BLOOD FLOW ENHANCES MTOR SIGNALING PATHWAYS IN A RAT MODEL <b>T. Nakajima</b> , T. Yasuda, S. Koide, Y. Sato, T. Tomaru, Y. Kano University of Electro-Communications, Tokyo, Japan	431

**PL19 Plenary Session****CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE AND ACUTE CORONARY SYNDROME**Chairs: **J.M. Gardin**, Hackensack, NJ, USA**U. Thadani**, Oklahoma City, OK, USA

Abstract No.

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|-------|--|-----|
| 11:15 | OLD AND EMERGING OPTIONS FOR TREATMENT OF REFRACTORY ANGINA: A CRITICAL APPRAISAL (Invited Lecture)<br><b>U. Thadani</b> , University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA                 | 432 |
| 11:30 | MANAGEMENT OF STABLE ISCHEMIC HEART DISEASE: OVERVIEW OF RECENT GUIDELINES (Invited Lecture)<br><b>J.M. Gardin</b> , Hackensack University Medical Center, NJ, USA   | 433 |
| 11:45 | IN-VIVO RISK STRATIFICATION OF INDIVIDUAL CORONARY ARTERY PLAQUES: EVOLVING PARADIGM FOR PREEMPTIVE MANAGEMENT OF PATIENTS WITH CAD (Invited Lecture)<br><b>P.H. Stone</b> , Brigham & Women's Hospital, Boston, MA, USA               | 434 |
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| 12:15 | IS ISCHEMIA UNIVERSAL IN A CHRONIC TOTAL OCCLUSION? (Invited Lecture)<br><b>R. Sachdeva</b> , North Fulton Hospital, Roswell, GA, USA  | 436 |
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| 13:45 | SHOULD DUAL ANTI-PLATELET THERAPY FOR CORONARY ARTERY DISEASE BE MORE OR LESS THAN 12 MONTHS? : A META-ANALYSIS  | 441 |

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11:15 – 13:00

Nantucket

**PL20 Plenary Session**  
**OBESITY, DIABETES AND CVD**

Chairs: **K. Ravid**, Boston, MA, USA  
**T.B. Levine**, Philadelphia, PA, USA

Abstract No.

- |       |  |     |
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| 11:15 | THE MACROPHAGE A2B ADENOSINE RECEPTOR REGULATES OBESITY-INDUCED TISSUE INSULIN SENSITIVITY (Invited Lecture)<br><b>K. Ravid</b> , H. Johnston-Cox, A. Eisenstein, M. Koupenova-Zamor<br>Boston University School of Medicine, Boston, MA, USA                      | 443 |
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| 11:45 | MITOCHONDRIAL DYSFUNCTION AND DIABETIC HEART DISEASE (Invited Lecture)<br>S. Kobayashi, Y. Huang, <b>Q. Liang</b><br>New York Institute of Technology, Old Westbury, NY, USA   | 445 |
| 12:00 | BENEFITS AND RISKS OF ANTIDIABETIC TREATMENT IN PATIENTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)<br><b>C.H. Saely</b> , VIVIT Institute, Academic Teaching Hospital, Feldkirch, Austria   | 446 |
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## MONDAY, JULY 28, 2014

11:15 – 14:00

Adrienne Salon

S34

**Session**

**DISEASE PATHWAYS AND NEW TREATMENT STRATEGIES IN HEART FAILURE AND CARDIOMYOPATHIES**

Chairs: **J.A. Chirinos**, Philadelphia, PA, USA  
**A.M. Gerdes**, Old Westbury, NY, USA

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| 13:00 | EDHFC: INITIAL EXPERIENCE WITH A NOVEL MULTIDISCIPLINARY COLLABORATION TO DECREASE HEART FAILURE ADMISSIONS<br>A.S. Bhatt, C. Cosgrove, <b>M. Moorer</b> , A.J. Smally, J. Radojevic, D. Wencker, J.A. Gluck, University of Connecticut School of Medicine, Farmington, CT, USA                                      | 457 |
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**11:15 – 14:00**

**Adrienne Salon**

**S34**

**Session**

**DISEASE PATHWAYS AND NEW TREATMENT STRATEGIES IN HEART FAILURE AND  
CARDIOMYOPATHIES (cont.)**

Abstract No.

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Albany Medical College, Albany, NY, USA

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ANNUAL SCIENTIFIC SESSIONS 2014  
19th WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 25-28, 2014

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