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ANNUAL SCIENTIFIC SESSIONS 2014
19th WORLD CONGRESS ON
HEART DISEASE

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

Organized by:
INTERNATIONAL ACADEMY OF CARDIOLOGY

Affiliated with:
AMERICAN COLLEGE OF CARDIOLOGY, CALIFORNIA CHAPTER
THE AMERICAN SOCIETY FOR PREVENTIVE CARDIOLOGY

Endorsed by:
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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.

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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, 19th 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,

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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

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. Dhall, Canada
- 2002: Hani N. Sabbah, USA
- 2003: Jawah 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

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

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. Dhall, 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

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

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

GOLD LEVEL

Amgen

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  Eitan Z. Kimchi, M.D.
Tomer Aharon  Eyal Y. Kimchi, M.D., PhD.
Karin Archer  Rebeca Kimchi
Roland Archer  Vicky Klug
Dror Ben-Tzvi  Micha Lederman
Karen H. Burstein  Erin J. Liang
Liron Burstein  Hila Nahari
Cirina Catania  Elan Nahari
Sergey Fedchin  Karyn Nahari
Rami Gur  Einat Peled
Orly Halevy  Mike Perchig
Oren Hirschenzone  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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19th World Congress on Heart Disease
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Website: www.CardiologyOnline.com

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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

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

- **AMGEN**
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  www.amgen.com

Amgen is committed to unlocking the potential of biology for patients suffering from serious illnesses by discovering, developing, manufacturing and delivering innovative human therapeutics. A biotechnology pioneer since 1980, Amgen has reached millions of patients around the world and is developing a pipeline of medicines with breakaway potential.

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  Tel: 508 877 8711
  Fax: 508 877 8707

Boston Heart Diagnostics is a heart health management company providing integrated diagnostic and patient management solutions that are advancing cardiovascular disease risk assessment, monitoring and treatment. Our goal is to predict, prevent, manage and reverse cardiovascular disease by vastly improving patient assessment and management. Our unique approach, which includes proprietary tests and the application of cardio-informatics, unlocks information not available through any other laboratory.

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  USA
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  Email: j.francis@elsevier.com

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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
ANNUAL SCIENTIFIC SESSIONS 2014
19th WORLD CONGRESS ON
HEART DISEASE
BOSTON, MA, USA, JULY 25-28, 2014

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

09:00 – 10:15  Grand Ballroom

**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  
International Academy of Cardiology

**John A. Elefteriades,** USA  
Member, Scientific Executive Committee  
Chairman, Section of Cardiovascular Surgery  
International Academy of Cardiology

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

**John B. Gordon,** USA  
President, California Chapter of the American College of Cardiology

**Laurence Sperling,** USA  
Member, Scientific Executive Committee  
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

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

09:45 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS, BIOLOGY, OR BOTH? (Invited Lecture)
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)
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)
S.C. Tyagi, University of Louisville School of Medicine, Louisville, KY, USA

11:15 IMPROVING ENERGY SUPPLY TO MEND A SICK HEART (Invited Lecture)
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 BENDAVIA (MTP-131), A NOVEL MITOCHONDRIA-TARGETING PEPTIDE, ON SKELETAL MUSCLE FIBER TYPE COMPOSITION IN DOGS WITH CHRONIC HEART FAILURE (Invited Lecture)
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)
S. Wang, J. Van Eyk, Johns Hopkins University, Baltimore, MD, USA

12:00 MOLECULAR TARGETING OF DILATED CARDIOMYOPATHY (Invited Lecture)
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)
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
(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) 009
N.C. Nanda, University of Alabama at Birmingham, Birmingham, AL, USA

11:00 PRESENT AND FUTURE OF NUCLEAR CARDIOLOGY AND CARDIAC CT IN CAD: VALUE-BASED IMAGING (Invited Lecture) 010
D.S. Berman, Cedars Sinai Medical Center, Los Angeles, CA, USA

11:15 STRESS-ONLY IMAGING; A NEW PARADIGM FOR PERFORMING STRESS MYOCARDIAL PERFUSION IMAGING (Invited Lecture) 011
J.J. Mahmarian, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

11:30 IMAGING ACE AND ANGIOTENSIN RECEPTORS IN THE HEART (Invited Lecture) 012
J. Shirani, St. Luke’s Hospital and Health Network, Bethlehem, PA, USA

11:45 HAND HELD CARDIAC ULTRASOUND: ROLE IN CLINICAL PRACTICE (Invited Lecture) 013
P.A. Pellikka, Mayo Clinic College of Medicine and Mayo Foundation, Rochester, MN, USA

12:00 IMPACT OF CORONARY CT ANGIOGRAPHY ON PATIENT MANAGEMENT AND CARDIOVASCULAR OUTCOMES: HOW TO INTEGRATE TEST RESULTS IN PATIENT CARE (Invited Lecture) 014
R. Blankstein, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

12:15 FUNCTIONAL AND ANATOMICAL CARDIAC IMAGING IN PATIENTS WITH CORONARY ARTERY STENTS (Invited Lecture) 015
A. Elhendy, Marshfield Clinic, Marshfield, WI, USA

12:30 DIAGNOSTIC AND PROGNOSTIC ROLE OF NONINVASIVE CORONARY FLOW RESERVE (Invited Lecture) 016
Q. Ciampi, C. Manicardi, B. Villari, Fatebenefratelli Hospital, Benevento, Italy

12:45 CARDIAC MAGNETIC RESONANCE IMAGING FOR CORONARY ARTERY DISEASE (Invited Lecture) 017
F. Sozzi, Ospedale Maggiore Policlinico, Italy

13:00 FRACTIONAL FLOW RESERVE (Invited Lecture) 018
J.A. Garcia, Denver Health Medical Center, Denver, CO, USA
PL02  Plenary Session
ADVANCES IN CARDIOVASCULAR IMAGING (cont.)

13:15  PROGNOSTIC VALUE OF MICROVASCULAR OBSTRUCTION ON MULTIDETECTOR COMPUTED TOMOGRAPHY AFTER PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN ACUTE MYOCARDIAL INFARCTION
(Invited Lecture)
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)
         C.H. Hennekens, Florida Atlantic University, Boca Raton, FL, USA

11:00 HDL AND THE HDL HYPOTHESIS: WHERE DO WE STAND NOW? (Invited Lecture)
         W.E. Boden, Samuel S. Stratton VA Medical Center, Albany, NY, USA

11:15 TRANSLATION OF HDL FUNCTIONALITY IN CLINICAL PRACTICE (Invited Lecture)
         R.S. Rosenson, Mount Sinai School of Medicine, New York, NY, USA

11:30 RESIDUAL VASCULAR RISK AFTER STATIN THERAPY: THE PROMISE OF NOVEL LIPOPROTEIN BIOMARKERS (Invited Lecture)
         S. Mora, Brigham and Women’s Hospital, Boston, MA, USA

11:45 NEW AVENUES IN THE FIGHT AGAINST ATHEROSCLEROSIS (Invited Lecture)
         S. Lehoux, McGill University, Montreal, QC, Canada

12:00 BIOPHYSICS OF MYELOPEROXIDASE INTERACTIONS WITH HDL: AN INDEX OF FUNCTIONALITY? (Invited Lecture)
         K.A. Pritchard Jr., D. Sahoo, A. Chadwick, T. Zaman, H. Zhang, H. Xu,
         M. Sorci-Thomas, Medical College of Wisconsin, Milwaukee, WI, USA

12:15 LDL CARBAMYLATION IN CHRONIC UREMIA: IS THERE A ROLE FOR MYELOID PEROXIDASE? (Invited Lecture)
         A.G. Basnakian, E.O. Apostolov, O.K. Karaduta, D. Ray, S.T. Burns,
         A.V. Savenka, M.L. Eigenbrodt, S.V. Shah
         University of Arkansas for Medical Sciences, Little Rock, AR, USA

12:30 RANDOMIZED PHASE II TRIAL TO ASSESS SAFETY AND EFFICACY OF CAPRE IN MILD-TO-SEVERE HYPERTRIGLYCERIDEMIC PATIENTS
         T. Sampalis, Y. Pesant, J. Pouliot, Y. Gonzalez, R. Dufour, J.S. Sampalis,
         P. Lemieux, F. Amiri, H.W. Waksal, J. Davignon
         Acasti Pharma, Laval, QC, Canada

12:45 INFLUENCE OF STATINS ON CIRCULATING MICRORNAS DURING PROLONGED AEROBIC EXERCISE
         P. Min, S. Isaacs, B.A. Parker, P.D. Thompson, C. Troyanos, P. D’Hemecourt,
         S. Dyer, A.L. Baggish, S.Y. Chan
         Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

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 INFATIONS: A NOVEL
TECHNIQUE OF NEONATAL RESUSCITATION THAT IMPROVES
RECOVERY AND SURVIVAL IN A NEONATAL PORCINE MODEL
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
J.A. Noonan, J.L. Colquitt, University of Kentucky, Lexington, KY, USA

11:15 ECHOCARDIOGRAPHIC ASSESSMENT OF UNICUSPID AORTIC VALVE
Mayo Clinic, Rochester, MN, USA

11:30 PROGNOSIS FOR PATIENTS WITH HEART FAILURE AFTER PALLIATIVE
SURGERY FOR SINGLE VENTRICLE CARDIAC DISEASE
M.G. Foulks, C.S. Herrington, R.M.L. Meyer, V.A. Starnes, W.J. Wells, K. Kallin,
J.I. Gold, J.D. Menteer
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
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
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 FALLLOT
PATIENTS IN DEVELOPING COUNTRIES; A COMPARISON TO CARDIAC MRI
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
12:30 ISOPROTERENOL-ASSOCIATED RISK STRATIFICATION FOR SUDDEN DEATH AMONG PEDIATRIC PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME: LOCATION-BASED ACCESSORY PATHWAY REFRACTORY PERIODS
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
H. Uchida, M. Nishio, Y. Eryu, T. Watanabe, T. Hata
Fujita Health University, Toyoake, Japan

13:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
P101 THE PLAQUE AND ACUTE CORONARY SYNDROMES

1. ELECTROCARDIOGRAPHIC CHANGES, TROPONIN ELEVATION AND LENGTH OF STAY AMONG COCAINE USERS ADMITTED FOR CHEST PAIN
   F. Garcia Trobo, A. Barbagelata, B. Manduca, F. Visco, G. Pekler
   New York Medical College, New York, NY, USA

2. PLASMA SEROTONIN AND PLATELET AGGREGATION RESPONSE TO COLLAGEN AS A PREDICTOR OF ADVERSE EVENTS
   Texas Tech University Health Sciences Center, Lubbock, TX, USA

3. DECADES AFTER TAKOTSUBO
   Easton Hospital, Easton, PA, USA

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
   Severance Cardiovascular Hospital, Yonsei University Health System, Seoul, Korea

5. POST STEMI LEFT VENTRICULAR EJECTION FRACTION AND INFARCT SIZE ESTIMATION – ARE SERUM TROPONIN T LEVELS HELPFUL??
   Postgraduate Medical Institute, Ameer Ud Din Medical College, Lahore, Pakistan

6. DOES PRIOR ASPIRIN USE PREDICT THE DEGREE OF PEAK TROPONIN LEVELS IN PATIENTS WITH ACUTE CORONARY SYNDROME?
   H.A. Bhatt, D.R. Sanghani, M.B. Perini, G.A. Fernaine
   Lutheran Medical Center, Brooklyn, NY, USA

7. PLASMA PRO-BNP IS NOT A SPECIFIC MARKER FOR TRANSIENT MYOCARDIAL ISCHEMIA
   K. Maqsood, J.R. Cook, G.R. Giugliano, A. Lotfi
   Baystate Medical Center, Tufts University School of Medicine, Springfield, MA, USA

8. INCREMENTAL VALUE OF HIGH SENSITIVITY TROPONIN IN ACUTE CORONARY SYNDROME
   A.P. Sadath, G.V. Raghavan, Kims Hospital, Trivandrum, Kerala, India
P103 ANTIPLATELET AND ANTITHROMBOTIC THERAPIES IN ACUTE CORONARY SYNDROMES

Board No. Abstract No.

9 SAFETY OF ADJUNCTIVE ANTICOAGULATION DURING PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH THERAPEUTIC ORAL ANTICOAGULATION
I. Ahmed, S.J. Voyce, I. Pallekonda
The Wright Center for Graduate Medical Education, Scranton, PA, USA

10 ESTIMATING THE CLINICAL VALUE OF CANGRELOR IN PATIENTS UNDERGOING PCI
I.S. Jensen, C. Wu, C.B. Bay, P.L. Cyr, ICON Health Economics, Cambridge, MA, USA

11 COMPLICATIONS OF INTRACORONARY ABCIXIMAB BOLUS-ONLY VERSUS STANDARD PROTOCOL DURING PERCUTANEOUS CORONARY INTERVENTION IN ACUTE CORONARY SYNDROME
M.T. Shakoor, S. Ayub, S. Dhakam, Baystate Medical Center, Springfield, MA, USA

P104 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL

12 MEDITERRANEAN DIET, ADIPONECTIN LEVELS, GENETIC POLYMORPHISMS AND INCIDENCE OF CARDIOVASCULAR DISEASES IN THE PREDIMED-VALENCIA STUDY
CIBER Fisiopatología de la Obesidad y Nutrición, Instituto de Salud Carlos III, Madrid, Spain

13 RELATIONSHIP BETWEEN ADMISSION BLOOD GLUCOSE LEVEL AND LONG-TERM CLINICAL OUTCOME IN ACUTE MYOCARDIAL INFARCTION
Nagasaki Citizens Hospital, Nagasaki, Japan

14 DO WE REACH BETTER LIPID CONTROL IN DIABETIC PATIENTS AFTER PERCUTANEOUS CORONARY INTERVENTION?
University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain
**SATURDAY, JULY 26, 2014**

08:00 – 13:00  
**Poster Hall**

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

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**15**  
**PROGNOSTIC VALUE OF CLINIC AND AMBULATORY BLOOD PRESSURE MEASUREMENTS FOR PREDICTING THE RISK OF DEVELOPING DIABETES**  
*R.C. Hermida*, D.E. Ayala, A. Mojon, J.R. Fernandez  
University of Vigo, Vigo, Spain

**16**  
**INFLUENCE OF TIME OF DAY OF BLOOD PRESSURE-LOWERING TREATMENT ON THE RISK OF DEVELOPING NEW-ONSET DIABETES**  
*R.C. Hermida*, D.E. Ayala, A. Mojon, J.R. Fernandez  
University of Vigo, Vigo, Spain

**17**  
**THE ASSOCIATION OF EDUCATION AND OBESITY AS DETERMINANTS OF PULSE PRESSURE IN A DIABETIC POPULATION**  
*H. Aggarwal*, J. Liu  
Brock University, St. Catharines, ON, Canada

**18**  
**THE RELATIONSHIP BETWEEN JOB ENRICHMENT AND ABDOMINAL OBESITY: A LONGITUDINAL FIELD STUDY OF APPARENTLY HEALTHY INDIVIDUALS**  
Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

**19**  
**PREVALENCE OF CORONARY ATHEROSCLEROSIS IN AN ASIAN POPULATION: FINDINGS FROM CORONARY CT ANGIOGRAPHY**  
Daejeon St. Mary’s Hospital, the Catholic University of Korea, Daejeon, Korea

**20**  
**IT CAN BE DONE: REDUCTION OF OBESITY & CARDIOVASCULAR DISEASE RISK IN A HIGH RISK POPULATION BY LIFESTYLE CHANGES**  
*O.S. Randall*, J. Kwagyan, M. Ketete, C. Bettencourt, A.R. Maqbool, S. Xu  
Howard University College of Medicine, Washington, DC, USA

**21**  
**OPTIMAL CUTOFF OF WAIST CIRCUMFERENCE AND WAIST TO HIP RATIO FOR THE KOREAN POSTMENOPAUSAL WOMEN**  
*H-S. Kim*, H-R. Kim  
College of Nursing, The Catholic University, Seoul, Korea
### P105 PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION

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<td>EXPERIENCE WITH VENO-VENOUS ECMO IN PATIENTS WITH SEVERE ARDS</td>
<td>T. Strecker, J. Roesch, F. Muench, M. Weyand Friedrich-Alexander-University Erlangen-Nuremberg, Center of Cardiac Surgery, Germany</td>
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<td>OBESITY IN PULMONARY ARTERIAL HYPERTENSION: IMPACT OF BODY MASS INDEX (BMI) ON SEVERITY AND OUTCOME</td>
<td>J. Nichols, D. Wilcox, R. Foley, D. Datta University of Connecticut Health Center, Farmington, CT, USA</td>
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<td>CORRELATION BETWEEN PULMONARY ARTERY DIAMETER AND MEAN PULMONARY ARTERY PRESSURE IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH SCLERODERMA</td>
<td>J.H. Nichols, E. Kaloudis, D. Datta, R. Foley University of CT Health Center, Farmington, CT, USA</td>
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<td>PROCESS/OUTCOME MEASURES OF ADULT VENOUS THROMBOEMBOLUS (VTE) &amp; PULMONARY EMBOLUS (PE) PROPHYLAXIS</td>
<td>D.T. Gray Agency for Healthcare Research and Quality, Rockville, MD, USA</td>
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<tr>
<td>RIGHT VENTRICULAR MYOCARDIAL STRAIN TO QUANTIFY DYSFUNCTION IN SUBMASSIVE PULMONARY EMBOLISM</td>
<td>A.B. Malone, L.L. Eberhart, A.M. Cook, R.C. Phillion, M.F. Knox, D.E. Langholz Spectrum Health Frederik Meijer Heart &amp; Vascular Institute, Grand Rapids, MI, USA</td>
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### P106 CARDIOVASCULAR ASPECTS IN RENAL DISEASE

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<td>HIGHER CYSTATIN C LEVEL PREDICTS CONTRAST INDUCED NEPHROPATHY IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE WITH PRESERVED NORMAL KIDNEY FUNCTION</td>
<td>Y.G. Ko, 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</td>
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<tr>
<td>EFFECT OF SEMAPHORIN 3C ON ENDOTHELIAL-TO-MESEMCHYMAL TRANSITION IN POLYCYSTIC KIDNEY DISEASE</td>
<td>B.H. Kim, J.Y. Ko, J.H. Park Sookmyung Women’s University, Seoul, South Korea</td>
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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
Y. Ji, M. Sidhu, M. Torossoff
Albany Medical College, Albany, NY, USA

30  UTILITY OF T-WAVE-ALTERNANS AND HEART RATE VARIABILITY FOR RISK ASSESSMENT IN BRUGADA SYNDROME
S. Sakamoto, M. Takagi, H. Tatsumi, A. Doi, M. Yoshiyama
Osaka City University Graduate School of Medicine, Osaka City, Japan

31  THE IMPACT OF VASOPRESSOR AND/OR INOTROPE USE DURING THERAPEUTIC HYPOTHERMIA ON NEUROLOGIC OUTCOME IN CARDIAC ARREST DUE TO SHOCKABLE RHYTHM
C. Parks, S.U. Nair, J. Lundbye
University of Connecticut School of Medicine, Farmington, CT, USA

32  A POTENT DOMINANT NEGATIVE MUTATION IN HERG IN A CHINESE FAMILY EXPERIENCING LONG QT SYNDROME, EPILEPSY, AND UNEXPECTED SUDDEN DEATH
G.L. Li, 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

33  SUDDEN CARDIAC DEATH IN SUB-SAHARAN AFRICA: PERSPECTIVES FROM UNIVERSITY OF MAIDUGURI TEACHING HOSPITAL, NIGERIA
M.A. Talle, B. Bakki, F. Buba, C.O. Anjorin, H. Yusuph, A. Kane, A. Bonny
University of Maiduguri Teaching Hospital, Maiduguri, Borno, Nigeria

34  TRANSIENT EPISODES OF UNRESPONSIVENESS IN A PATIENT ON METHADONE
S. Kanneganti, B. Khalighi, K. Khalighi
Easton Hospital, Easton, PA, USA
**SATURDAY, JULY 26, 2014**

**14:00 – 16:15**  
**Grand Ballroom**

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<td>14:00</td>
<td>TIME TO FOCUS ON CARDIOVASCULAR HEALTH (NOT CV DISEASE)</td>
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<td>14:15</td>
<td>NEW GUIDELINES ON CARDIOVASCULAR RISK ASSESSMENT</td>
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<td>RISK FACTORS FOR CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE</td>
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<td>THE INFLUENZA VACCINE- PREVENTING CARDIOVASCULAR EVENTS IN HIGH-RISK PATIENTS</td>
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<td>TWENTY YEARS OF C-REACTIVE PROTEIN IN CARDIOLOGY: STILL AN APPEALING MARKER OF DISEASE?</td>
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<td>15:15</td>
<td>ASSOCIATION BETWEEN OBSTRUCTIVE SLEEP APNEA AND CORONARY ARTERY DISEASE</td>
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<td>15:30</td>
<td>INTEGRATIVE AND COMPLEMENTARY MEDICINE IN CARDIOLOGY: NEW HOPE OR JUST HIP AND HYPE?</td>
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<td>15:45</td>
<td>WOMEN AND HEART DISEASE: UPDATE ON PREVENTION</td>
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<td>ASSOCIATION BETWEEN SERUM VITMAIN D LEVELS AND ATHEROSCLEROSIS: A META ANALYSIS</td>
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<td>16:15</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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### 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

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

14:00 INNATE IMMUNITY AND HEART DISEASE (Invited Lecture)
A.A. Knowlton, University of California, Davis, CA, USA

14:15 ROLE OF ENDOTHELIN-1 AND CAMKINASE II SIGNALING IN CARDIOVASCULAR COMPLICATIONS (Invited Lecture)
A.K. Srivastava, CRCHUM, University of Montreal, Montreal, QC, Canada

14:30 INFLAMMATION AND POST-ISCHEMIC CARDIAC REMODELING: MOLECULAR MECHANISMS AND THERAPEUTIC PERSPECTIVES (Invited Lecture)
J.S. Silvestre, Paris-Centre de Recherche Cardiovasculaire, Paris, France

14:45 EPIGENETIC REGULATION OF LAMINAR FLOW-MEDIATED GENES AND ATHEROSCLEROSIS (Invited Lecture)
Z-G. Jin
University of Rochester School of Medicine and Dentistry, New York, USA

15:00 NOVEL ALTERNATIVE MECHANISMS OF CARDIOVASCULAR CALCIFICATION (Invited Lecture)
E. Aikawa, Harvard Medical School, Brigham and Women’s Hospital, Boston, MA, USA

15:15 PHARMACOLOGICAL MODULATION OF ANGIOTENSIN-II-INDUCED ARTERIAL MONONUCLEAR CELL ADHESION BY NUCLEAR RECEPTORS ACTIVATION (Invited Lecture)
M.J. Sanz
Institute of Health Research INCLIVA, Universidad de Valencia, Spain

15:30 TRAINING OF CARDIOVASCULAR PHYSICIAN-SCIENTISTS: RESULTS OF SPECIFIC TRAINING PATHWAYS (Invited Lecture)
J.D. Marsh
University of Arkansas for Medical Sciences, Little Rock, AR, USA

15:45 ENDOGENOUS MODULATION OF EXTRACELLULAR MATRIX PROTEINS DURING SCAR FORMATION AFTER MYOCARDIAL INFARCTION
S. Simsekylmaz, A. Curaj, M. Staudt, M. Rusu, P. Boor, X. Li, O. Bucur, T.T. Soenmez, A. Schuh, E.A. Liehn
Institute for Molecular Cardiovascular Research (IMCAR), RWTH Aachen University, Germany

16:00 REGULATION OF ENDOTHELIAL VCAM-1 EXPRESSION VIA MODULATION OF ANTI-OXIDANT PATHWAY
A. Ziaei, S. Masli
Boston University School of Medicine, Boston, MA, USA
SATURDAY, JULY 26, 2014

14:00 – 16:45 Nantucket

**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

Laval University, Quebec, Canada

16:30 ROLE OF NON-GENOMIC SIGNALING IN THE TISSUE SPECIFIC AND VASCULAR PROTECTIVE EFFECTS OF ESTROGEN

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**

**NEW DIRECTIONS IN CARDIOVASCULAR SURGERY**

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

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

---

14:00 **CHARACTERIZATION OF READMISSIONS IN THE LVAD SUPPORTED HEART FAILURE POPULATION**


Providence Sacred Heart Medical Center, Spokane, WA, USA

---

14:15 **CAN BLOOD TYPE O PATIENTS ON LVADS BE AT INCREASED RISK FOR GI BLEEDS?**


Providence Sacred Heart Medical Center, Spokane, WA, USA

---

14:30 **PARADOXICAL ASSOCIATION OF SMOKING AND OUTCOMES AMONG HEART TRANSPLANT RECIPIENTS**


New York Medical College, Valhalla, NY, USA

---

14:45 **PROENKEPHALIN PREDICTS ACUTE KIDNEY INJURY IN CARDIAC SURGERY PATIENTS**

**K.S. Shah**, P.R. Taub, **M. Patel**, M. Exner, J. Struck, P. Clopton, A. Maisel

VA San Diego Healthcare System, San Diego, CA, USA

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15:00 **QUALITY OF LIFE OUTCOMES IN ELDERLY PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY: WHAT IS THE EVIDENCE?**


Royal Prince Alfred Hospital, Sydney, NSW, Australia

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15:15 **RELATIONSHIP BETWEEN THE ANGIOGRAPHICALLY DERIVED SYNTAX SCORE AND OUTCOMES IN HIGH-RISK PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION**

**S.J. Brener**, A.J. Prasad, R. Abdula, T.J. Sacchi

NY Methodist Hospital, Brooklyn, NY, USA

---

15:30 **MANAGEMENT OF HEPARIN INDUCED THROMBOCYTOPENIA AND LEFT VENTRICULAR THROMBUS IN A PATIENT WITH CARDIOGENIC SHOCK**

**H. Keshmiri**, B. Mohamedali, G. Bhat, A. Tatooles, G. Sayer

University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA
15:45  IS PRIOR CORONARY REVASCULARIZATION RELATED TO HIGHER MORTALITY RATE IN A HIGH RISK US VETERAN POPULATION?  
A. Patel, M.B. Quraishi, O.I. Mufti, R. Markert, A. Agarwal  
Wright State University Boonshoft School of Medicine, Dayton, OH, USA

16:00  AORTOESOPHAGEAL FISTULA AFTER THORACIC ENDOVASCULAR AORTIC STENT-GRAFT PLACEMENT: A POTENTIAL FATAL COMPLICATION  
M.S. Rawala, R. Ali, A. Nanjundappa  
Charleston Area Medical Center, Charleston, WV, USA

16:15  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
**SATURDAY, JULY 26, 2014**

16:45 – 19:00  
Grand Ballroom

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

16:45  TOLL-LIKE RECEPTOR 9 REGULATION OF COAGULATION IN ACUTE CORONARY ARTERY DISEASE (Invited Lecture)
J.G. Filep, Maisonneuve-Rosemont Hospital, Montreal, QC, Canada

17:00  HIGH SENSITIVITY CARDIAC TROPONIN – A CARDIOLOGIST’S FRIEND OR FOE? (Invited Lecture)
S. Schaefer, University of California, Davis, CA, USA

17:15  THE EVOLUTION OF ANTIPLATELET THERAPY FOR ACS – FROM BENCH TO BEDSIDE (Invited Lecture)
S.J. Brener, NY Methodist Hospital, NY, USA

17:30  INTRODUCTION OF A MOUSE MODEL THAT REFLECTS HUMANATHEROSCLEROTIC PLAQUE INSTABILITY AND RUPTURE: A UNIQUE TOOL FOR DISCOVERY OF STRATEGIES TOWARDS PLAQUE PACIFICATION AND ULTIMATELY PREVENTION OF MYOCARDIAL INFARCTION (Invited Lecture)
K. Peter, Baker IDI Heart and Diabetes Institute, Victoria, Australia

17:45  IMPAIRED ENDOGENOUS THROMBOLYSIS- A NOVEL, POINT-OF-CARE BIOMARKER PREDICTIVE OF ADVERSE CARDIOVASCULAR EVENTS (Invited Lecture)
D.A. Gorog, Imperial College, London, UK

18:00  TRIGGERS OF ACUTE CARDIOVASCULAR EVENTS: CLINICAL IMPLICATIONS (Invited Lecture)
M. Madjid, Texas Heart Institute, Houston, TX, USA

18:15  INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING OF INFLAMED PLAQUES (Invited Lecture)
E.A. Osborn, Massachusetts General Hospital, Boston, MA, USA

18:30  EVOLVING ROLE OF PLATELET FUNCTION TESTING IN ACUTE CORONARY SYNDROMES (Invited Lecture)
R.K. Sharma, University of Arkansas Medical Science, Little Rock, AR, USA

18:45  RISK STRATIFICATION OF VERY LATE DES FAILURE BY THE EVALUATION OF NEOATHEROSCLEROSIS (Invited Lecture)
Y. Ueda, Osaka Police Hospital, Osaka University Graduate School of Medicine, Japan
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
Brigham and Women’s Hospital, Boston, MA, USA

17:00 OUTCOMES OF A HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION FOLLOWED BY MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT
Mount Sinai Medical Center, Miami Beach, FL, USA

17:15 DOES VALVULOARTERIAL IMPEDANCE IMPACT PROGNOSIS AFTER SURGERY FOR SEVERE AORTIC STENOSIS IN THE ELDERLY?
M. Katayama, M.Q. Najib, P. Marella, E.M. McMahon, M. Belohlavek, H.P. Chaliki, Mayo Clinic, Scottsdale, AZ, USA

17:30 NATIONWIDE TRENDS IN THE INCIDENCE AND OUTCOMES OF ACUTE RHEUMATIC FEVER IN THE UNITED STATES
New York Medical College, Valhalla, NY, USA

17:45 HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION AND MINIMALLY INVASIVE MITRAL VALVE SURGERY IN PATIENTS WITH CORONARY ARTERY AND MITRAL VALVE DISEASE
Mount Sinai Medical Center, Miami Beach, FL, USA

18:00 MINIMALLY INVASIVE ISOLATED AORTIC VALVE REPLACEMENT IN OCTOGENARIANS
Mount Sinai Medical Center, Miami Beach, FL, USA

18:15 FACTORS ASSOCIATED WITH PROCEDURAL FAILURE AND COMPLICATIONS FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT
K.B. Shah, B.B. Padaliya, R.S. Boxer, J.M. Albert, B.D. Hoit
University Hospitals Case Medical Center, Cleveland, OH, USA
S23 Session
VALVULAR HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS (cont.)

18:30 THE EFFECT OF LOW EJECTION FRACTION IN ISOLATED AORTIC INSUFFICIENCY ON LEFT VENTRICULAR REMODELING AFTER AORTIC VALVE REPLACEMENT
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
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
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)
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
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

16:45  HYPERTENSION WAS NOT A PREDICTOR OF CLINICAL EVENTS AT ONE-YEAR IN PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION WHO UNDERWENT PRIMARY CORONARY INTERVENTION
       Pusan National University Hospital, Busan, South Korea

17:00  ASLEEP BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF CARDIOVASCULAR EVENTS: THE HYGIA PROJECT
       R.C. Hermida, A. Moya, J.J. Crespo, A. Otero, M. Dominguez, M.T. Rios,
       C. Castineira, A. Mojon, J.R. Fernandez, D.E. Ayala
       University of Vigo, Vigo, Spain

17:15  UNCONTROLLED HYPERTENSION IN UGANDA: A COMPARATIVE CROSS SECTIONAL STUDY
       G. Musinguzi, J.P. Vangeertruyden, H. Bastiaens, F. Nuwaha
       Makerere University School of Public Health, Kampala, Uganda

17:30  CYP2D6 GENETIC INFORMATION-GUIDED METOPROLOL USE IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY
       B. Khalighi, Y. Wu, W.Q. Fan, A. Mirabbasi, R. Thachil, E.J. Mascarenhas,
       K. Khalighi
       Temple University, Philadelphia, PA, USA

17:45  GASTRIN AND D1 DOPAMINE RECEPTOR INTERACT TO INDUCE NATRIURESIS AND DIURESIS
       Daping Hospital, The Third Military Medical University, Chongqing, P.R. China

18:00  COMPARISON OF ILOPROST AND NITRIC OXIDE FOR TREATMENT OF PULMONARY HYPERTENSION IN THE SETTING OF CARDIOVASCULAR SURGERY-A META-ANALYSIS
       J.M. Martinez, P. Vijayvargiya, L. Tamariz, S. Chaparro
       University of Miami Miller School of Medicine Regional Campus, Atlantis, FL, USA

18:15  SLEEP-TIME, NOT AWAKE BLOOD PRESSURE, DETERMINES THE TRUE PROGNOSTIC VALUE OF MASKED HYPERTENSION
       D.E. Ayala, J.J. Crespo, M. Dominguez, A. Moya, A. Otero, M.T. Rios, C. Castineira,
       S.M. Gomara, J.R. Fernandez, R.C. Hermida
       University of Vigo, Vigo, Spain
SATURDAY, JULY 26, 2014

16:45 – 19:30 Adrienne Salon

S24 Session
SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL (cont.)

Abstract No.

18:30 DECODING WHITE COAT HYPERTENSION
  D.A. Bloomfield
  Richmond University Medical Center, Staten Island, NY, USA

18:45 ANTIHYPERTENSIVE EFFICACY OF CHLORTHALIDONE- VERSUS
  HYDROCHLOROTHIAZIDE- ANGIOTENSIN RECEPTOR BLOCKER COMBINATION
  THERAPY: A META-ANALYSIS OF RANDOMIZED TRIALS
  M.N. Miller, E Mora-Garzon, R Chait, L Tamariz
  University of Miami Palm Beach Regional Campus, Atlantis, FL, USA

19:00 INFLUENCE OF LONG TERM THERAPY WITH VALSARTAN,
  EPROSARTAN OR LOSARTAN ON DIASTOLIC DYSFUNCTION AND
  NT-PROBNP LEVEL IN HYPERTENSIVES
  L.T. Popescu, N.C. Sapojnic, A.P. Caraush, O.S. Calenici
  Institute of Cardiology, Chisinau, Moldova

19:15 LEFT VENTRICULAR SYSTOLIC AND DIASTOLIC FUNCTION DURING
  PERMISSIVE HYPERTENSION IN ACUTE ISCHEMIC STROKE
  The Medical City, Pasig City, Philippines
### SATURDAY, JULY 26, 2014

**13:30 – 18:30**  
**Poster Hall**

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Y. Nawaz, B. Ayub  
Lehigh Valley Health Network, Allentown, PA, USA | 153 |
| 2 | INFLUENCE OF PROCEDURE TIME ON HEMOGLOBIN DROP AS A COMPONENT OF MAJOR BLEEDING DEFINITION IN PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN US ACADEMIC CENTER  
S. Shawar, M. Alghrouz, O. Alasad, A. Tayyem, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife  
University of Texas Medical Branch, Galveston, TX, USA | 154 |
| 3 | US ACADEMIC CENTER EXPERIENCE IN DOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION USING VARIOUS BLEEDING AVOIDANCE STRATEGIES  
M. Alghrouz, S. Shawar, O. Alasad, A. Tayyem, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife  
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| 4 | STUDY THE HEMODYNAMIC COMPONENTS OF ICU (INTENSIVE CARE UNIT) PATIENTS WITH USCOM  
Maseeh Daneshvari Hospital, Shaheedbeheshti University, Tehran, Iran | 156 |

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| 5 | LIPID LEVELS IN PATIENTS AFTER PERCUTANEOUS CORONARY INTERVENTION IN THE REAL LIFE  
University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain | 157 |
| 6 | TYPE D PERSONALITY PREDICTS RISK FACTORS AND CLINICAL OUTCOMES IN POST ACUTE CORONARY SYNDROME PATIENTS  
Virgen de las Nieves University Hospital, Granada, Spain | 158 |
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<td>TRANSITIONAL NURSING CARE PROGRAM FOR PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION S.H. Bae, J.H. Park College of Medicine, Dong-A University, Busan, Republic of Korea</td>
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<td>A COMPARISON OF THE SIX MINUTE WALK TEST AND THE SUB MAXIMAL STRESS TEST FOR ASSESSMENT OF FUNCTIONAL STATUS PRIOR TO PARTICIPATION IN CARDIAC REHABILITATION J. Yee, J. Onwuchekwa, Z. Chen, R. Leaverton, S. Smalling, M. Lerman, F. Fuentes Icahn School of Medicine at Mount Sinai, Queens Hospital Center, Jamaica, NY, USA</td>
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<td>EXERCISE IMPROVES CARDIAC FUNCTION IN DIABETIC RATS T.H. Ko, D.Y. Seo, S.R. Lee, N. Kim, J. Han Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea</td>
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<td>THE EFFECTS OF PSYCHOLOGICAL STRESS IN BLOOD PRESSURE DURING EXERCISE TESTING V.C. Romero, E.R. Silva, J.J. Villasmil, G.A. Bermudez, F. Madueno Institutes of Cardiovascular Disease of Luz Maracaibo, Zulia, Venezuela</td>
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**P204 DIAGNOSTIC ELECTROPHYSIOLOGY AND ABLATION**

13 **MODIFIED HATCH SCORE PREDICTS 6-MONTH RECURRENCE OF ATRIAL FIBRILLATION AFTER PULMONARY VEIN ISOLATION: DATA FROM THE UNIVERSITY OF MASSACHUSETTS ATRIAL FIBRILLATION REGISTRY**


University of Massachusetts Medical School, Worcester, MA, USA

14 **USE OF VASCULAR COLLAGEN SEALING DEVICE TO CLOSE VASCULAR ACCESS IN PATIENTS UNDERGOING ELECTROPHYSIOLOGICAL PROCEDURES**

*I. Maraj, A.S. Budzikowski, S. Kumar, W. Ali, C. Mitre, J.T. Kassotis*

SUNY Downstate Medical Center, Brooklyn, NY, USA

15 **TRENDS AND OUTCOMES IN CATHETER ABLATION OF VENTRICULAR TACHYCARDIA IN ISCHEMIC CARDIOMYOPATHY**


New York Medical College, Valhalla, NY, USA

16 **PROCEDURAL TIME IMPROVES WITH OPERATOR EXPERIENCE IN PULMONARY VEIN ISOLATION USING THE CRYOBALLOON**

*J.M. Kirzner, J.S. Snow, S.R. Bender, S.P. Parekh*

Island Cardiac Specialists, Garden City, New York, USA

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*S. Banga, N. Chalfoun, A. Gauri, D. Elmouchi, M. Dahu, B. Finta*

Frederik Meijer Heart & Vascular Institute, Spectrum Health, Grand Rapids, MI, USA

18 **FOOD IN THE BRAIN: A RARE COMPLICATION OF LEFT-ATRIAL ABLATION**

*H. Keshmiri, J. Zifra, K. Wells, M. Wichter*

University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA
### SATURDAY, JULY 26, 2014

**13:30 – 18:30**  
**Poster Hall**

#### P205  PACEMAKERS AND IMPLANTABLE CARDIAC ARRHYTHMIA DEVICES

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P207 MISCELLANEOUS

Board No. Abstract No.

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Lehigh Valley Health Network, Allentown, PA, USA

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Loyola University Medical Center, IL, USA

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Istanbul Science University, Istanbul, Turkey

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Toho University Sakura Hospital, NTT East, Japan
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)
R. Manfredini, University of Ferrara, Italy

08:45 SUCCESSFUL EVAR PROGRAM FOR AAA IN A RURAL HOSPITAL (Invited Lecture)
S.M. Butman, J. Schor
Verde Valley Medical Center, Cottonwood, AZ, USA

09:00 REGULATORY T CELLS IN ABDOMINAL AORTIC ANEURYSMS (Invited Lecture)
Y. Zhou, J.S. Lindholt, W. Wu, P. Libby, G.P. Shi
Brigham and Women’s Hospital, Boston, MA, USA

09:15 GUILT BY ASSOCIATION: A PARADIGM FOR DETECTING A SILENT KILLER (THORACIC AORTIC ANEURYSM) (Invited Lecture)
J.A. Elefteriades, Yale University School of Medicine, New Haven, CT, USA

09:30 CONTRADICTORY EFFECTS OF HYPERLIPOIDEMIA AND DIABETES MELLITUS ON PROGRESSION OF ABDOMINAL AORTIC ANEURYSM: PATHOBIOLOGICAL MECHANISMS (Invited Lecture)
The Hebrew University of Jerusalem, Jerusalem, Israel

09:45 MOLECULAR DRIVERS OF VASCULAR REMODELING (Invited Lecture)
Z. Galis, Division of Cardiovascular Sciences, NIH, Bethesda, MD, USA

10:00 POLYVASCULAR DISEASE: VASCULAR FUNCTION, IMAGING AND TREATMENT (Invited Lecture)
T. Tomaru, T. Matsumura, E. Mastubara, Toho University Sakura Hospital, Japan

10:15 USE OF FRACTION FLOW RESERVE TO PREDICT CHANGES OVER TIME IN MANAGEMENT OF SUPERFICIAL FEMORAL ARTERY (Invited Lecture)
A.S. Lotfi, S.K. Sivalingam, G.R. Giugliano, J. Ashraf, P. Visintainer
Tufts University School of Medicine, Baystate Medical Center, Springfield, MA, USA

10:30 PERIPHERAL BLOOD- BUT NOT BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELL THERAPY LIMITS EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM DEVELOPMENT
G. Franck, J. Dai, E. Allaire, M. Gervais
CNRS EAC 7054, Paris-Est Creteil University, Creteil, France
PL09  Plenary Session
PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSM AND PERIPHERAL ARTERY DISEASE (cont.)

10:45  RAPAMYCIN INHIBITS THORACIC AORTIC ANEURYSM FORMATION THROUGH SUPPRESSION OF PRO-INFLAMMATORY MEDIATORS
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
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
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.

08:30  
**REGULATION OF ENOS MRNA DESTABILIZATION VIA ROCK2-MEDIATED EEF1A1 PHOSPHORYLATION** (Invited Lecture)  
**K. Noma**, Y. Higashi, Y. Kihara, J.K. Liao  
RIRBM, Hiroshima University, Hiroshima, Japan

08:45  
**INFLAMMATION INDUCED APOPTOSIS IN THE INJURED MYOCARDIUM** (Invited Lecture)  
**D.K. Singla**, University of Central Florida, Orlando, FL, USA

09:00  
**PRIMING THE PROTEASOME BY PKG: A NOVEL CARDIOPROTECTIVE MECHANISM OF SILDENAFIL** (Invited Lecture)  
**X. Wang**, M.J. Ranek, E.J. Terpstra  
Sanford School of Medicine of the University of South Dakota, Vermillion, SD, USA

09:15  
**THE PIVOTAL ROLE OF L-ARGININE IN THE ISCHEMIC HEART PRECONDITIONING - A NANOMEDICAL APPROACH** (Invited Lecture)  
**T. Malinski**, S. Hollstrom, A. Jakubowski, Ohio University, Athens, OH, USA

09:30  
**DIABETES AND FAILED REGENERATIVE STRATEGIES** (Invited Lecture)  
**F.W. Sellke**, Alpert Medical School of Brown University, Providence, RI, USA

09:45  
**THE EFFECT OF BENDAVIA ON ISCHEMIA/REPERFUSION INJURY, LEFT VENTRICULAR REMODELING AND DYSFUNCTION** (Invited Lecture)  
Good Samaritan Hospital/USC, Los Angeles, CA, USA

10:00  
**TICAGRELOR LIMITS MYOCARDIAL INFARCT SIZE- AN ADENOSINE AND COX2 DEPENDENT EFFECT** (Invited Lecture)  
M.K. Nanhwan, S. Lin, M. Kodakandla, S. Nylander, Y. Ye, **Y. Birnbaum**  
Baylor College of Medicine, TX, USA

10:15  
**ROLE OF microRNA IN CARDIOPROTECTION** (Invited Lecture)  
**R.C. Kukreja**, Virginia Commonwealth University, Richmond VA, USA

10:30  
**ROLE OF MINOCYCLINE IN MYOCARDIAL ISCHEMIA-REPERFUSION INJURY: AN OLD DRUG WITH NEW IMPLICATIONS** (Invited Lecture)  
**T.M. Scarabelli**, St John Hospital & Medical Center/Wayne State University SOM, USA

10:45  
**PROLYLHYDROXYLASES IN ISCHEMIC HEART DISEASE** (Invited Lecture)  
**N. Maulik**, University of Connecticut School of Medicine, Farmington, CT, USA

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
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
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
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
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
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
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
R. Prakadeshwari, 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  
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  
University Medical Center Utrecht, Utrecht, The Netherlands

10:45  
ECHOCARDIOGRAPHIC PREDICTORS OF ATRIAL FIBRILLATION PREVALENCE IN PATIENTS ON HEMODIALYSIS  
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

S26  Session
ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT

Chairs:  G.W. Barsness, Rochester, MN, USA
         H.K. Reddy, 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, V.T. Le, J.B Muhlestein
University of Utah, Salt Lake City, UT, USA

08:45 THE PROGNOSTIC SIGNIFICANCE OF ELEVATED TROPONINS IN PATIENTS WITH SEPSIS: A META-ANALYSIS
O. Sheyin, W. Duan, O. Davies, X. Perez
Harlem Hospital Center, New York, NY, USA

09:00 CLINICAL SIGNIFICANCE OF CORONARY ARTERY ANATOMY IN STRESS INDUCED CARDIOMYOPATHY
P. Krumenacher, 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

09:15 DOES SYNTAX SCORE PREDICT THE DEGREE OF PEAK TROPONIN ELEVATION IN PATIENTS WITH ACUTE CORONARY SYNDROMES?
H.A. Bhatt, D.R. Sanghani, M.B. Perini, G.A. Fernaine
Lutheran Medical Center, Brooklyn, NY, USA

09:30 INTER-RATER AGREEMENT FOR CHEST PAIN EVALUATION BETWEEN TRAINED ABSTRACTORS AND EMERGENCY DEPARTMENT PHYSICIANS AT AN ACADEMIC MEDICAL CENTER
R.E. Davies, A. Foy
Penn State Hershey Medical Center, Hershey, PA, USA

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
G.A. Elbaz-Greener, U. Oron, Z. Vered, A. Blatt
Tel Aviv University, Tel Aviv, Israel

10:00 DESCRIPTION OF IN-HOSPITAL MANAGEMENT OF ACUTE CORONARY SYNDROME IN VENEZUELA AND LATIN AMERICA (EPICOR STUDY)
K. Araí, N. Antepara, C. Delgado, M.L. Fariña, R. Uzcátegui, S. Beluche
Ascardio, Barquisimeto, Venezuela
ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT (cont.)

10:15 INFLUENCE OF METEOROLOGICAL FACTORS ON IN-HOSPITAL MORTALITY IN PATIENTS ADMITTED WITH ST-ELEVATION MYOCARDIAL INFARCTION IN NORTHEASTERN PENNSYLVANIA
I. Ahmed, S.J. Voyce, I. Pallekonda, J. Snedeker
The Wright Center of Graduate Medical Education, Scranton, PA, USA

10:30 BLOOD TRANSFUSION IN PATIENTS WITH BLEEDING DURING ACUTE ST-ELEVATION MYOCARDIAL INFARCTION ASSOCIATED WITH HIGHER IN-HOSPITAL MORTALITY
D.A. Munawar, W. Aditya, M. Munawar
Binawaluya Cardiac Center, Jakarta, Indonesia

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
Y. Nawaz, A. Qureshi, N. Subrayappa, N. Patel
Lehigh Valley Health Network, Allentown, PA, USA

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)  
**A.J. Marelli**, McGill University Health Centre, Montreal, QC, Canada

11:30 NEXT GENERATION SEQUENCING ANALYSIS OF FAMILIES WITH CONGENITAL HEART DISEASE  
(Invited Lecture)  
**N.E. Bowles**, S.B. Bleyl, M.F. Leppert, C.B. Arrington  
University of Utah School of Medicine, Salt Lake City, UT, USA

11:45 CARDIAC SURGERY IN THE ADULT CONGENITAL HEART DISEASE PATIENT: A SPECTRUM OF LESIONS  
(Invited Lecture)  
**B.N. Mora**, Sheikh Khalifa Medical City, Cleveland Clinic, Abu Dhabi, UAE

12:00 AORTIC REGURGITATION: IMPACT OF PREOPERATIVE SYMPTOMS FOR POST-VALVE REPLACEMENT SURVIVAL ON PROGNOSTICATION FROM MYOCARDIAL CONTRACTILITY  
(Invited Lecture)  
State University of New York Downstate Medical Center, New York, NY, USA

12:15 LOW GRADIENT SEVERE AORTIC STENOSIS: DIAGNOSIS AND MANAGEMENT  
(Invited Lecture)  
**H.P. Chaliki**, Mayo Clinic, Arizona, USA

12:30 ATORVASTATIN ATTENUATES ATHEROSCLEROSIS IN THE VALVES AND FEMURS FROM HYPERCHOLESTEROLEMIC LDLR-/- MICE AS=OP  
**N.M. Rajamannan**, Northwestern University Feinberg School of Medicine, Chicago, IL, USA (Invited Lecture)

12:45 A TALE OF TWO HEARTS: ANY NEW ECHOCARDIOGRAPHY TRICKS IN VALVULAR HEART DISEASE?  
(Invited Lecture)  
**S. Pislaru**, Mayo Clinic College of Medicine, Rochester, MN, USA

13:00 TEMPORAL TRENDS IN VALVULAR HEART DISEASE IN NEW YORK STATE: THE LAST 30 YEARS  
(Invited Lecture)  
**P.G. Supino**, O.Y. Hai, J.S. Borer  
State University of New York (SUNY) Downstate Medical Center, NY, USA

13:15 MECHANISMS OF HYPERTROPHY IN VALVULAR HEART DISEASE  
**N.T. Olsen**, Rigshospitalet, Copenhagen, Denmark (Invited Lecture)

13:30 DEVICE CLOSURE OF COMPLEX ATRIAL SEPTAL DEFECT IN ADULTS- ISSUES AND SOLUTIONS  
(Invited Lecture)  
**M. Sadiq**, The Children’s Hospital/The Institute of Child Health, Lahore, Pakistan

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

11:15 PREVENTION OF STROKE IN ATRIAL FIBRILLATION: ARE ALL ORAL DRUGS THE SAME? (Invited Lecture)
A. Martinez-Rubio, University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain

11:30 LEFT ATRIAL SIZE AND FUNCTION: ROLE IN PROGNOSIS
(Invited Lecture)
B.D. Hoit, Case Western Reserve University, Cleveland, OH, USA

11:45 SILENT CEREBRAL EVENTS ASSOCIATED WITH ATRIAL FIBRILLATION ABLATION (Invited Lecture)
T. Deneke, P. Müller, K. Nentwich, J. Krug, R. Schmitt, M. Roos, A. Schade
Heart Center Bad Neustadt, Bad Neustadt, Germany

12:00 ALDOSTERONE, COPEPTINE AND OTHER NEUROENDOCRINE MARKERS IN PATIENTS WITH STROKE (Invited Lecture)
D. Jezova, L. Krizova, B. Kollar, P. Siarnik, N. Hlavacova, A. Penesova, P. Turcani, Slovak Academy of Sciences, Bratislava, Slovakia

12:15 THROMBOEMBOLISM OR ATHERO-THROMBOEMBOLISM IN ATRIAL FIBRILLATION? (Invited Lecture)
F. Violi, I Clinica Medica, University Sapienza, Roma, Italy

12:30 THE MOST COST EFFICIENT WAY TO CARDIOVERT A NEWBORN IN ATRIAL FLUTTER
(Invited Lecture)
C. Snyder, Rainbow Babies and Children’s Hospital, Cleveland, OH, USA

12:45 MANAGEMENT OF ATRIAL FLUTTER (Invited Lecture)
H. Paydak, University of Arkansas for Medical Sciences, Little Rock, AR, USA

13:00 ATRIAL FIBRILLATION AND ITS ROLE IN COGNITIVE DECLINE
(Invited Lecture)
K. Alagiakrishnan, University of Alberta, Edmonton, Alberta, Canada

13:15 DISCOVERY OF A NEW INDEX OF DUAL PATHWAY ATRIOVENTRICAL NODE CONDUCTION (Invited Lecture)
Y. Zhang, New York Institute of Technology (NYIT) College of Osteopathic Medicine, Old Westbury, NY, USA

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

11:15 RESIDUAL RISK FROM ELEVATED LIPOPROTEIN A BUT NOT APOLIPOPROTEIN B OR NON-HDL CHOLESTEROL AT HEART CENTERS FOR WOMEN
Rush University Medical Center, Chicago, IL, USA

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
A. Tripathi, A.D. Liese, M.D. Winniford, A.A. Rizvi, J.M. Jerrell, J. Zhang
University of Mississippi School of Medicine, Jackson, MS, USA

11:45 CERTAIN CARDIOVASCULAR RISK FACTORS ARE SIGNIFICANT DETERMINANTS OF LONGEVITY IN INITIALLY HEALTHY WOMEN
S. Cheng, E. McCabe, M.A. Albert, I. Lee, J.E. Buring, R.J. Glynn, S. Mora
Brigham and Women’s Hospital, Boston, MA, USA

12:00 OPTIMIZING CARDIOVASCULAR MORTALITY PREDICTION IN RENAL DISEASE WITH ARTIFICIAL INTELLIGENCE
O. Sandu, I. Nastac, J. Uribarri
Albert Einstein College of Medicine, Bronx, NY, USA

12:15 CHANGES IN TOTAL CHOLESTEROL LEVELS IN THE ICELANDIC POPULATION ARE NOT RELATED TO STATIN, BUT RATHER DIETARY FACTORS
V. Gudnason, B. Thorsson, L. Steingrimsdottir, K. Andersen, G. Sigurdsson, T. Aspelund
Icelandic Heart Association, Kopavogur, Iceland

12:30 NIASPIRIN: COMBINATIONS OF NIACIN WITH ASPIRIN TO REDUCE NIACIN INDUCED FLUSH
R. Thachil, P.S. Carson, S.S. Banka
Hahnemann University Hospital/Drexel University College of Medicine, Philadelphia, PA, USA

12:45 OMENTIN SIGNIFICANTLY PREDICTS CARDIOVASCULAR EVENTS INDEPENDENTLY FROM BASELINE CORONARY ARTERY DISEASE
Academic Teaching Hospital Feldkirch, Feldkirch, Austria

13:00 DESPERATELY NEEDED CARDIOVASCULAR EVENT OUTCOME STUDIES IN SOUTH ASIANS
H.N. Patel, N.T. Aggarwal, A. Khandelwal, A.S. Volgman
Rush University Medical Center, Chicago, IL, USA
SUNDAY, JULY 27, 2014

11:15 – 14:00

S27 Session

ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS (cont.)

Abstract No.

13:15 EFFECTS OF HDL-C AND CO-MORBIDITIES ON LONG-TERM OUTCOMES IN OPTIMALLY TREATED REVASCULARIZED CAD PATIENTS

Albany Medical Center, Albany, NY, USA

13:30 THE EFFECT OF SIROLIMUS ON CHOLESTEROL CRYSTAL VOLUME EXPANSION: IMPLICATIONS FOR PLAQUE STABILIZATION

I. Baig, A. Janoudi, R. Huang, G.S. Abela
Michigan State University, East Lansing, MI, USA

13:45 HIGHER HEART RATE IS INDEPENDENTLY ASSOCIATED WITH OBESITY

M.R. Movahed, C. Manrique, M. Hashemzadeh
CareMore Health Care Arizona, AZ, USA

14:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
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<tr>
<th>Time</th>
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<tr>
<td>11:15</td>
<td>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</td>
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<tr>
<td></td>
<td>Authors: R. Hutter, W. Speidl, L. Huang, C. Gianarelli, J.J.J. Badimon, P. Klotman. Institution: Mount Sinai School of Medicine, New York, NY, USA</td>
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<td>11:30</td>
<td>MICRORNA-146A INDUCES ENDOTHELIAL PROGENITOR CELL APOPTOSIS AND SENESCENCE BY TARGETING PLK2 EXPRESSION</td>
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<td></td>
<td>Authors: S. Zhu, S. Deng, C. Jia, D. Zhuo, Q. Ma, S. Ji, H. Wang, P.J. Goldschmidt-Clermont, S. Ma, C. Dong. Institution: University of Miami, Miami, FL, USA</td>
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<td>11:45</td>
<td>CD137 SIGNALING INCLUDING FACTORS FROM T CELLS AND MACROPHAGES ACCELERATE UNSTABLE ATHEROSCLEROTIC PLAQUE</td>
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<tr>
<td></td>
<td>Authors: I.H. Jung, J. Jin, D.Y. Kim, G.T. Oh. Institution: Ewha Womans University, Seoul, Korea</td>
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<td>12:00</td>
<td>MODULATION OF CYSTEINE-RICH PROTEIN 2 EXPRESSION IN VASCULAR INJURY AND ATHEROSCLEROSIS</td>
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<td></td>
<td>Authors: C.H. Chen, H.H. Ho, M.L. Wu, M.D. Layne, S.F. Yet. Institution: National Health Research Institutes, Zhunan, Miaoli County, Taiwan</td>
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<td>12:15</td>
<td>LINCRNA-P21 REGULATES NEOINTIMA FORMATION AND ATHEROSCLEROSIS BY ENHANCING P53 ACTIVITY</td>
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<td>12:30</td>
<td>PRO-ATHEROGENIC ACTIONS OF INTERFERON-GAMMA ON MACROPHAGES IN ATHEROSCLEROSIS</td>
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<td></td>
<td>Authors: T.S. Davies, N. Li, J.E. McLaren, T.R. Hughes, D.P. Ramji. Institution: School of Biosciences, Cardiff University, Cardiff, UK</td>
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<tr>
<td>12:45</td>
<td>HISTOMORPHOMETRIC CHANGES IN THE AORTA OF MICE WITH CHRONIC CHAGAS DISEASE UNDERGOING MILD EXERCISE</td>
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<td>Authors: L. Brianezi, N.E.A. Lima, F.L.A. Fonseca, L.B.M. Maifrino. Institution: Adventist College Hortolandia, Hortolândia, SP, Brazil</td>
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<td>13:00</td>
<td>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</td>
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<tr>
<td></td>
<td>Authors: W.Y. Liang, X.Y. Zhu, X.R. Feng, Y.C. Wang, M.L. Liu. Institution: Peking University First Hospital, Beijing, China</td>
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<td>13:15</td>
<td>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</td>
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**SUNDAY, JULY 27, 2014**

08:00 – 13:00 Poster Hall

**P301 VASCULAR BIOLOGY, BASIC RESEARCH**

1. **CRIF1 DEFICIENCY INDUCES P66SHC-MEDIATED OXIDATIVE STRESS AND ENDOTHELIAL ACTIVATION**
   Chungnam National University, Daejeon, South Korea

**P302 PHARMACOLOGICAL MODULATION OF VASCULAR-ENDOTHELIAL FUNCTION**

2. **EFFECTS OF CHRONIC CARDIOVASCULAR PHARMACOLOGY ON LONG-TERM SURVIVAL IN STROKE PATIENTS**
   L. Du, J. Arora, A. Murthy, M. Torosoff
   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**
   F.C. Huang, H.C. Kuo, H.R Yu
   Kaohsiung Chang Gung Memorial Hospital, Taiwan

**P303 INTERVENTIONAL CARDIOLOGY**

4. **DIFFERENTIAL ROLE OF OSTEOPONTIN AND TENASCIN-C IN ADVANCED CORONARY ATHEROSCLEROSIS: CORONARY ROTATIONAL AHERECTOMY STUDY**
   Kanazawa Medical University, Uchinada, Japan

5. **TREATMENT OF CORONARY IN-STENT RESTENOSIS WITH PACLITAXEL-COATED BALLOON CATHETER: 36- MONTH CLINICAL RESULTS**
   J. Benezet, S. Camacho-Freire, A. Gutierrez-Barrios, A. Agarrado, J. Oneto
   Jerez University Hospital, Jerez de la Frontera, Spain

6. **DIFFERENT AND SAME PROGNOSTIC IMPLICATION OF LOW PREPROCEDURAL TIMI FLOW BETWEEN STEMI AND NON-STEMI IN THE PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION**
   W.Y. Lee, J.Y. Baek, Y.M. Yang
   Saint Mary’s Hospital, Cheoung-ju, South Korea

7. **INFLUENCE OF ACCESS AND ANTICOAGULANT ON THE HOSPITAL LENGTH OF STAY IN DOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION: US ACADEMIC CENTER EXPERIENCE**
   O. Alasad, A. Tayyem, S. Shawar, M. Alghrouz, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife
   University of Texas Medical Branch, Galveston, TX, USA
SUNDAY, JULY 27, 2014

08:00 – 13:00

Poster Hall

P303 INTERVENTIONAL CARDIOLOGY (cont.)

Board No. | Abstract No.
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**INCIDENCE AND PREDICTORS OF STENT THROMBOSIS AFTER PERCUTANEOUS CORONARY INTERVENTION IN ACUTE MYOCARDIAL INFARCTION**

S. Lim, **H.Y. Kim**, Y.S. Koh, K. Chang, M.H. Jeong, K.B. Seung
Catholic Medical Center, Seoul, South Korea

9 | 275

**DOES THE SEVERITY OF CORONARY ARTERY DISEASE PREDICT THE USE OF CONTRAST VOLUME DURING CARDIAC CATHETERIZATION?**

Lutheran Medical Center, Brooklyn, NY, USA

10 | 276

**SAFETY AND EFFICACY OF POLYMER FREE VS. BASED DRUG-ELUTING STENTS. A META-ANALYSIS OF RANDOMIZED TRIALS**

Y. Luo, S. Liu, **X. Zhao**, L. Huang
Third Military Medical University, Chongqing, P.R. China

11 | 277

**CALCIFIED LESION DOES NOT INFLUENCE OUTCOME AFTER PERCUTANEOUS ANGIoplasty WITH STENTING**

NTT East Japan Kanto Hospital, Tokyo, Japan

12 | 278

**THE COMPLEX CORONARY ANGIoplasty TRANSRADIAL**

**J.M. Telayna**, C.S. Garcia, R.A. Costantini
Austral University Hospital, Buenos Aires, Argentina

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**TISULAR IMPACT IN THE CORONARY COMPLETE REVASCULARIZATION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCT AND CARDIAC FAILURE**

**J.M. Telayna**, C.S. Garcia, R.A. Costantini
Austral University Hospital, Buenos Aires, Argentina

14 | 280

**IN-STENT ANCHORING FACILITATES BALLOON DELIVERY FOR FINAL KISSING**

**X.H. Zhao**, Y.M. Song, J. Jin, L. Huang
Xinqiao Hospital, Third Military Medical University, Chongqing, China
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<td>281</td>
<td>AUTOMATED PRECLINICAL ENCOUNTER BLOOD PRESSURES VERSUS MANUAL PHYSICIAN BLOOD PRESSURES IN CARDIOVASCULAR CLINIC</td>
<td>K. Slicker, <strong>B.D. Curtis</strong>, O. Oyetayeo, J.P. Erwin III</td>
<td>Scott &amp; White Healthcare Texas A&amp;M Health Science Center, Temple, TX, USA</td>
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<td>HAS OBESITY IN HYPERTENSIVE PATIENTS AN IMPACT ON CARDIOVASCULAR AND CATECHOLAMINE RESPONSES DURING MENTAL STRESS?</td>
<td><strong>A. Garafova</strong>, A. Penesova, E. Cizmarova, A. Marko, M. Vlcek, D. Jezova</td>
<td>Slovak Academy of Sciences, Bratislava, Slovakia</td>
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<td>NIGHTTIME PRESSURE DIP IN WHITE COAT HYPERTENSION</td>
<td><strong>L. Yogendran</strong>, A. Abdelqader, M. Mohamed, T. Schuler, D. Bloomfield</td>
<td>Richmond University Medical Center, Staten Island, NY, USA</td>
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<td>286</td>
<td>EFFECT OF CPAP THERAPY ON CARDIAC REPOLARIZATION IN PATIENT POPULATION WITH OBSTRUCTIVE SLEEP APNEA</td>
<td><strong>T.A. Ahmad</strong>, A. Patel, U. Majumdar, V. Narasimha</td>
<td>Penn State Milton Hershey Medical Center, Hershey, PA, USA</td>
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<td>21</td>
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<td>OPTIMAL DURATION OF HOLTER RECORDINGS: IS THERE ADDITIONAL YIELD FROM 48 VERSUS 24 HOURS?</td>
<td><strong>A. Trang</strong>, B. Pavri</td>
<td>Thomas Jefferson University, Philadelphia, PA, USA</td>
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<td>ACCURACY OF TACHYARRHYTHMIA DIAGNOSIS ON SURFACE ELECTROCARDIOGRAMS (ECG)</td>
<td><strong>N. Methachittiphan</strong>, F. Barbosa, M. Link</td>
<td>Tufts Medical Center, Boston, MA, USA</td>
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P305  ARRHYTHMIAS: DIAGNOSIS AND TREATMENT (cont.)

Board No.  Abstract No.

23  INFLAMMATORY MARKERS IN PATIENTS WITH IMPAIRED LEFT VENTRICULAR FUNCTION WITH AND WITHOUT ISCHEMIC HEART DISEASE UNDERGOING CARDIOVERTER DEFIBRILLATOR IMPLANTATION FOR LIFE THREATENING VENTRICULAR ARRHYTHMIAS T. Papadopoulos, G. Dadous, A. Nikitopoulos, G. Spiromitros, A. Antoniou, N. Katsiki, J. Kanonidis Hippokration University Hospital, Thessaloniki, Greece

24  DEADLY GOLOYTELY P.A. Patel, C.E. Daniels Mayo Clinic, Rochester, MN, USA

P306  NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE

25  CARDIOPROTECTIVE EFFECT OF METFORMINE IN DIABETIC PATIENTS TREATED WITH ANTHRACYCLINES F. Garcia Trobo, G. Pekler, F. Visco New York Medical College, New York, NY, USA

26  IMPROVING CLINICAL OUTCOMES AND RECOVERY OF PERIPARTUM CARDIOMYOPATHY PATIENTS USING BROMOCRIPTINE: A SYSTEMATIC REVIEW M.A. De Guzman, L.D. Gutierrez University of Santo Tomas Hospital, Manila, Philippines

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

P307  COMPUTERS IN CARDIOLOGY

28  QUALITY AND PHYSICIAN PREFERENCE OF PORTABLE ELECTROCARDIOGRAPHIC DEVICE RHYTHM STRIPS N. Nazir, D. Mehta, C. Bai, J. Soble, A. Volgman Rush University Medical Center, Chicago, Illinois, USA
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

---

14:00  
**ADVERSE LEFT VENTRICULAR REMODELING, INCIDENT HEART FAILURE, AND VENTRICULAR ARRHYTHMIAS** (Invited Lecture)  
**W.H. Gaasch**, Lahey Clinic, Burlington, MA, USA  

14:15  
**AGING AND HEART FAILURE: UPDATE 2014** (Invited Lecture)  
**B.I. Jugdutt**, University of Alberta and Hospitals, Edmonton, AB, Canada  

14:30  
**HFpEF (HEART FAILURE WITH PRESERVED EJECTION FRACTION) PATHOPHYSIOLOGY: IMPLICATIONS FOR THERAPEUTIC TARGETS** (Invited Lecture)  
**D.M. Kaye**, Baker IDI Heart and Diabetes Institute, Alfred Hospital, Melbourne, Australia  

14:45  
**REGRESSION OF HYPERTROPHY (AND FIBROSIS?) IN HYPERTROPHIC CARDIOMYOPATHY** (Invited Lecture)  
Massachusetts General Hospital, Boston, MA, USA  

15:00  
**HEART FAILURE WITH PRESERVED EJECTION FRACTION: A MISUNDERSTOOD SYNDROME IN SEARCH OF A THERAPY** (Invited Lecture)  
**S.D. Solomon**, Brigham and Women’s Hospital, Boston, MA, USA  

15:15  
**HEART FAILURE RELATED TO CONSTRICTIVE AND RESTRICTIVE CARDIOMYOPATHY: ASSESSMENT BY ECHOCARDIOGRAPHY** (Invited Lecture)  
**A.M. Amanullah**, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA  

15:30  
**MECHANISTIC INSIGHTS INTO DIASTOLIC HEART FAILURE (HEART FAILURE [HF] PRESERVED EJECTION FRACTION) – WHAT PROGRESS HAVE WE MADE?** (Invited Lecture)  
**F. Sam**, Boston University School of Medicine, Boston, MA, USA  

15:45  
**DYNAMIC LVOT OBSTRUCTION -BEYOND HCM** (Invited Lecture)  
**A. Chockalingam**, University of Missouri, Columbia, MO, USA  

16:00  
**LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC TOTAL OCCUSLION OF LAD: LONG-TERM FOLLOW-UP** (Invited Lecture)  
**M. Prokudina**, I. Konstantinov, N. Malinina, E. Bobrova, E. Karev  
Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia  

16:15  
**RIGHT VENTRICULAR FAILURE AFTER IMPLANTATION OF LEFT VENTRICULAR ASSIST DEVICES** (Invited Lecture)  
**A. Kalogeropoulos**, Emory University School of Medicine, Atlanta, GA, USA  

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.

14:00  PRECISION MEDICINE FOR TODAY AND TOMORROW: TARGETING MOLECULAR PATHWAYS FOR VASCULAR DISEASE (Invited Lecture)
K. Maiese, University of Medicine & Dentistry of New Jersey, Newark, NJ, USA

14:15  SERPINS AS THERAPY – FROM VIRUS TO MAN (Invited Lecture)
A. Lucas, University of Florida, Gainesville, FL, USA

14:30  VASCULAR HEALING & BIORESORBABLE SCAFFOLDS: FROM PLATELETS, LEUKOCYTES TO ENDOTHELIAL CELLS (Invited Lecture)
J-F. Tanguay, Université de Montréal, Canada

14:45  CARDIOVASCULAR RISK FACTORS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)
C. Chen, Q. Yao, Baylor College of Medicine, Houston, TX, USA

15:00  MANAGING ANGINA AND RISK VIA IMPROVED ENDOTHELIAL FUNCTION: THE EECP MODEL (Invited Lecture)
G.W. Barsness, Mayo Clinic, Rochester, MN, USA

15:15  INDOXYL SULFATE AND CARDIO-RENAL SYNDROME; THE ROLE OF ARYL HYDROCARBON RECEPTOR (Invited Lecture)
T. Morita, Toho University Omori Medical Center, Ota-ku, Tokyo, Japan

15:30  SYNERGISTIC REDUCTION OF ATHEROSCLEROSIS BY THE COMBINED LXR LIGAND AND ERK1/2 INHIBITOR—A MULTIPLE MECHANISMS DEPENDENT PATHWAY (Invited Lecture)
Y. Chen, Y. Duan, X. Yang, L. Sun, J. Han, Nankai University, China

15:45  RESCUE OF PHYSIOLOGIC VASCULAR REPAIR BY CASPASE-INHIBITION: A NOVEL APPROACH TO BETTER TREAT ADVANCED ATHEROSCLEROSIS (Invited Lecture)
R. Hutter, Mount Sinai Medical Center, New York, NY, USA

16:00  TRANSLATION OF GENOMIC DISCOVERIES FOR CAD: FUNCTIONAL STUDIES OF ADAMTS7 AS AN EXAMPLE (Invited Lecture)
M.P. Reilly, University of Pennsylvania School of Medicine, Philadelphia, PA, USA

16:15  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
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<td>A NOVEL APPROACH FOR BIVENTRICULAR PACING: UTILIZING TEMPORARY CORONARY SINUS CATHETER GUIDANCE VIA FEMORAL VEIN APPROACH</td>
<td>H. Paydak, S. Pant, H. Dajani, A. Sheikh, J. Aasbo, D. Singh University of Arkansas for Medical Sciences, Little Rock, AR, USA</td>
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<td>14:30</td>
<td>BASELINE PROLONGED T-PEAK TO T-END/QT INTERVAL MAY PREDICT MORTALITY BUT NOT SUDDEN CARDIAC DEATH IN HEMODIALYSIS PATIENTS</td>
<td>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</td>
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<td>14:45</td>
<td>SAFETY AND COST EFFECTIVENESS OF SYNCOPE EVALUATION UNIT</td>
<td>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</td>
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<td>15:00</td>
<td>ARRHYTHMIC OUTCOMES IN ARRHYTHMOGENIC CARDIOMYOPATHY WITH IMPLANTABLE CARDIOVERTER DEFIBRILATOR</td>
<td>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</td>
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<td>15:15</td>
<td>CIRCULATING MICRONRMA CHANGES IN CRT RESPONDERS</td>
<td>C. Sardu, G. Paolisso, R. Marfella Second University of Naples, Naples, Italy</td>
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<td>15:30</td>
<td>THORACOSCOPIC PERICARDIAL PATCH INSULATION FOR INTRACTABLE PHRENIC NERVE STIMULATION FOLLOWING CARDIAC RESYNCHRONIZATION</td>
<td>B.H. Kirmani, N. Mediratta, C. Toolan, J. McKeith, J. Wright, A. Rao Liverpool Heart and Chest Hospital, Liverpool, Mersey, UK</td>
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<td>15:45</td>
<td>MAGNETIC RESONANCE IMAGING CONDITIONAL PACEMAKER: TREND SETTING TECHNOLOGY – A SINGLE CENTER EXPERIENCE</td>
<td>L.H. Chebrolu, A. Abichandani, D. Prutzman, E. Mascanrenhas, G. Ferretti, M. Averbach, J. Shirani, D. Traub St Luke’s University Hospital, Bethlehem, PA, USA</td>
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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.

16:00 SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IMPLANTATION IN PATIENTS AFTER DEVICE EXTRACTION
A. Gupta, F. Subzposh, H. Saltzman, S.P. Kutalek
Drexel University College of Medicine, Philadelphia, PA, USA

16:15 LOW-ENERGY DIETS: AN IMPORTANT CAUSE FOR ACQUIRED LONG QT SYNDROME AND UNEXPECTED SUDDEN DEATH
D.B. Petrov, M.H. Milanova
Emergency Hospital Pirigov, Sofia, Bulgaria

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

14:00 – 16:15 Adrienne Salon

S30 Session

INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI

Chairs: A. Kumar, Amritsar, India
J.D. Marsh, Little Rock, AR, USA

14:00 NEW ORAL ANTICOAGULANTS IN PATIENTS WITH CANCER: CURRENT STATE OF EVIDENCE
P. Sardar; S. Chatterjee, E. Herzog; G. Pekler, S. Mushiyev; 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?
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
P.R.S Vijayaratnam, 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
Y. Wang, S. Liu, Y. Luo, F. Wang, H. Liu, L. Li, X. Zhao, L. Huang
Third Military Medical University, Chongqing, P.R. China

15:00 OUTCOMES OF PFTE COVERED STENTS IMPLANTED DURING PCI FOR MANAGEMENT OF ACUTE CORONARY PERFORATION
B.C. Barnett, 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
A.M. Pineda, C.G. Mihos, S. Horvath, 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
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
Hospital Costa del Sol, Marbella, Malaga, Spain

16:00 INTER-PROVIDER VARIATION IN DIAGNOSES AND CARDIAC CATHETERIZATION USE
N. Agarwal, L. Burke, C. Schmalfluss, 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)
W.S. Aronow
Westchester Medical Center/New York Medical College, Valhalla, NY, USA

17:00  OPTIMAL BLOOD PRESSURE LEVELS IN THE ELDERLY? RESULTS OF 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/NEPRLYSIN INHIBITION (‘ARNI’) IN HYPERTENSION: AN IMPROVEMENT VERSUS AT1 RECEPTOR BLOCKADE? (Invited Lecture)
Erasmus Medical Center, Rotterdam, The Netherlands

17:30  GI PROTEINS, NATRIURETIC PEPTIDE RECEPTOR C AND REGULATION 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)
K. Prasad, University of Saskatchewan, Saskatoon, SK, Canada

18:00  NON PHARMACOLOGICAL AND CATHETER BASED THERAPY OF DIFFICULT TO TREAT (D2T) HYPERTENSION (Invited Lecture)
S.K. Koshy, L.K. George, UT Health Sciences Center, Memphis, TN, USA

18:15  BLOOD PRESSURE AND THE RISK OF CARDIOVASCULAR DISEASE 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 CARDIOVASCULAR RISK REDUCTION (Invited Lecture)
Campus Universitario, Vigo, Pontevedra, Spain

18:45  PREVALENCE AND CLINICAL IMPLICATIONS OF SLEEP-TIME HYPERTENSION (Invited Lecture)
D.E. Ayala, R.C. Hermida
Campus Universitario, Vigo, Pontevedra, Spain
SUNDAY, JULY 27, 2014

PL16  Plenary Session
ADVANCES IN CARDIOVASCULAR SURGERY / CAROTID AND CORONARY REVASCULARIZATION / HEART TRANSPLANTATION

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

16:45  PERICUTANEOUS HEMODYNAMIC SUPPORT FOR HIGH RISK PCI: INDICATIONS AND RESULTS (Invited Lecture)
G.W. Vetrovec, VCU Medical Center Richmond, VA, USA

17:00  CURRENT MANAGEMENT OF THE CORONARY CHRONIC TOTAL OCCLUSION (Invited Lecture)
B.F. Uretsky, University of Arkansas for Medical Sciences, Little Rock, AR, USA

17:15  PCI VERSUS CABG IN MULTIPLE VESSEL CAD (Invited Lecture)
A. Kumar, Govt Medical College/GND Hospital, Amritsar, India

17:30  UPDATE ON CORONARY BIFURCATION CLASSIFICATION AND TECHNIQUES (Invited Lecture)
M.R. Movahed, The Southern Arizona VA Health Care System, Tucson, AZ, USA

17:45  MANAGEMENT STRATEGIES OF COMBINED SEVERE SYMPTOMATIC CAROTID & CORONARY ARTERY DISEASE (Invited Lecture)
M.S. Abu-Fadel, University of Oklahoma HSCC, Oklahoma City, OK, USA

18:00  BIOMARKERS IN CARDIAC ALLOGRAFT VASCULOPATHY (Invited Lecture)
N. Nair, Sacred Heart Medical Center, Spokane, WA, USA

18:15  ASSOCIATION OF COAGULOPATHY AND IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS (Invited Lecture)
New York Medical College, Valhalla, NY, USA

18:30  SHOULD CILOSTAZOL BE INCLUDED INTO THE TREATMENT POST CAROTID STENTING?: A META-ANALYSIS
D. Garcia, M. Ansari, A. Benjo, R. Nascimento, G. ElHayek, A. Ghatak, A. Schob, C. Mendoza, A. Ferreira
University of Miami/Jackson Memorial Hospital – Miami, FL, USA

18:45  DECREASED INCIDENCE OF ATRIAL FIBRILLATION FOLLOWING OPEN HEART SURGERY USING MODIFIED DEL NIDO CARDIOPLEGIA
Brigham and Women’s Hospital, Boston, MA, USA

19:00  CHRONIC OBSTRUCTIVE PULMONARY DISEASE IS ASSOCIATED WITH WORSE SURVIVAL IN PATIENTS RECEIVING HEART TRANSPLANT: ANALYSIS FROM UNOS REGISTRY
S.G. Al-Kindi, M.Y. Qattan, M. Ginwalla, C. ElAnmm, G.H. Oliveira
University Hospitals Case Medical Center, Cleveland, OH, USA
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.

16:45 ASSOCIATION OF VITAMIN D DEFICIENCY WITH ATRIAL FIBRILLATION 352
F. Shah, A. Mohamed, D. Doukas, G. Cotseones, K. Machnica, M.G. Rabbat
Loyola University Medical Center, Maywood, IL, USA

17:00 BRIEF EPISODES OF SILENT ATRIAL FIBRILLATION PREDICT CLINICAL VASCULAR BRAIN DISEASE IN TYPE 2 DIABETIC PATIENTS 353
C. Sardu, G. Paolisso, R. Marfella
Second University of Naples, Naples, Italy

17:15 ADENOSINE A2A RECEPTORS FUNCTION IN VASOVAGAL SYCONE 354
R. Guieu, N. Kipson, F. Franceschi, J. Fromonot, J. Condo, J.C. Deharo,
M. Brignole, E. Fenouillet, J. Ruf
Aix Marseille University and IRBA, Marseille, France

17:30 PREGNANCY IS ASSOCIATED WITH AN INCREASED DENSITY OF THE PACEMAKER CURRENT I-F IN MURINE SINOATRIAL NODE 355
N. El Khoury, S. Mathieu, L. Marger, J. Ross, G. El Gebeily, N. Ethier,
C. Fiset
Université de Montréal, Montreal, Quebec, Canada

17:45 ADOPTION OF SMARTPHONES, TABLETS AND MOBILE APPLICATIONS AMONG PATIENTS WITH ATRIAL FIBRILLATION 356
V. Benvenuto, G. Baquero, D. Scher, S. LaPine, S. Hess, J. Fragin, K. Heron,
L. Douglas, W. Curry, J. Banchs
Penn State Hershey Medical Center, Hershey, PA, USA

18:00 PULMONARY VEIN ANTUM CIRCULAR ABLATION PLUS LONGITUDINAL MAPPING AND ABLATION TO THE RESIDUAL MUSCULATURE FASCICLES OF THE PULMONARY VEINS IMPROVES THE IMMEDIATE AND LONG-TERM EFFICACY OF PAROXYSMAL ATRIAL FIBRILLATION 357
C. Lu, Y. Zhang, R. Zhang, Q. Xu, Y. Huang, M. Liu
PLA General Hospital, Beijing, China

18:15 SCREENING FOR ATRIAL FIBRILLATION USING A BLOOD PRESSURE MONITOR: OMRON VS MICROLIFE 358
J. Wiesel, B.Z. Arbesfeld, D. Schechter
NYU Langone Medical Center, New York, NY, USA

18:30 IMPACT OF CATHETER ABLATION ON P-WAVE PARAMETERS ON 12-LEAD ELECTROCARDIOGRAM IN PATIENTS WITH ATRIAL FIBRILLATION 359
A. Maan, M. Mansour, J.N. Ruskin, E.K. Heist
Massachusetts General Hospital, Boston, MA, USA
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.

S. Banga, N. Chalfoun, D. Elmouchi, A. Gauri, M. Dahu, B. Finta
GRMEP, Grand Rapids, Michigan, USA

19:00 DOES TREATMENT STRATEGY FOR ATRIAL FIBRILLATION AFFECT MYOCARDIAL CONTRACTILITY?

V. Podzolkov, A. Tarzimanova, M. Pisarev, I. Loriya, L. Mohammadi
First Moscow State Medical University I.M. Sechenov, Moscow, Russia

19:15 COMPARISON OF VARIOUS FATTY ACID ROLES ON THE RISK OF ATRIAL FIBRILLATION AMONG ADULT TAIWANESE FROM A COMMUNITY-BASED COHORT STUDY

College of Public Health, National Taiwan University, Taipei, Taiwan

19:30 ELECTROPHYSIOLOGICAL STUDIES IN PATIENTS WITH PAROXYSMAL TACHYCARDIA WITHOUT ECG DOCUMENTATION: PREVALENCE OF INDUCIBLE ARRHYTHMIAS AND CLINICAL OUTCOME. A PROSPECTIVE REGISTRY

J. Lauschke, J. Schneider, R. Schneider, C. Nesselmann, T. Tischer, D. Bansch
University Medical Center, Rostock, Germany
SUNDAY, JULY 27, 2014

16:45 – 18:45 Adrienne Salon

S32  Session
MOLECULAR / CELLULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE

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

Abstract No.

16:45 IVABRADINE INHIBITS APOPTOSIS AND NECROSIS IN PRIMARY AND CULTURED CARDIAC MYOCYTES EXPOSED TO HYPOXIA REOXYGENATION INSULT THROUGH ITS HCN CHANNEL BLOCKING ACTIVITY
The University of Sydney, Sydney, NSW, Australia

17:00 RANOLAZINE ADMINISTERED AFTER DOXORUBICIN TREATMENT, PREVENTS CARDIOTOXICITY IN MICE
N. Maurea, C. Coppola, G. Piscopo, D. Rea, C. Maurea, F. Galletta, E. Esposito, I. Capasso, C. Arra, R.V. Iaffaioli
National Cancer Institute Pascale Foundation IRCCS, Naples, Italy

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
H. Mudaliar, B. Rayner, M. Billah, W. Lay, R. Bhindi
Kolling Institute of Medical Research, Royal North Shore Hospital, Sydney, New South Wales, Australia

17:30 ALPHA LINOLENIC ACID-RICH FLAXSEED REGULATES SURVIVAL IN CARDIOMYOCYTES
F. Carotenuto, M. Minieri, S. Melino, P. Di Nardo
Tor Vergata University, Rome, Italy

17:45 BRANCHED-CHAIN AMINO ACIDS PREVENT HEART FAILURE IN RATS
Y. Tanada, T, Shioi, A. Kawamoto, J. Okuda, T. Kimura
Kyoto University Graduate School of Medicine, Kyoto, Japan

18:00 DECIPHERING THE SYSTEMS BIOLOGY OF MICRORNAS IN PULMONARY HYPERTENSION AND CARDIOVASCULAR DISEASE
S.Y. Chan
Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA

18:15 PROTEIN TYROSINE PHOSPHATASES AS NOVEL THERAPEUTIC TARGET AGAINST ACUTE CARDIAC ISCHEMIA
C.F. Cheng, Y.Y. Chen, W.S. Lian, K.H. Khoo, T.C. Meng
Tzu Chi General Hospital, Hualien, Taiwan

18:30 OPTICAL MOLECULAR IMAGING OF ATHEROMA INFLAMMATION IN MURINE CAROTID PLAQUES WITH A NOVEL, MANNOSE RECEPTOR TARGETING NEAR-INFRARED FLUORESCENCE PROBE
Korea University Guro Hospital, Seoul, South Korea
### P401  GENETICS OF HEART DISEASE

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<td>373</td>
<td>CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY</td>
<td>Y. Wu, W.Q. Fan, A. Mirabbasi, B. Khalighi, R. Thachil, E.J. Mascarenhas, K. Khalighi</td>
<td>Easton Hospital, Drexel University, Easton, PA, USA</td>
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<td>GENETIC INFORMATION-GUIDED THROMBOEMBOLISM PRECAUTION AND TREATMENT IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY</td>
<td>A. Mirabbasi, R. Thachil, Y. Wu, W. Fan, B. Khalighi, K. Khalighi</td>
<td>Easton Cardiovascular Associates, Easton Hospital, Drexel University, Easton, PA, USA</td>
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### P402  CARDIOVASCULAR IMAGING: NUCLEAR CARDIOLOGY, CARDIAC CT AND MRI

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<td>DISTRIBUTION OF CORONARY CALCIFICATIONS IN PATIENTS WITH SUSPECTED CORONARY HEART DISEASE</td>
<td>F. von Ziegler, M. Greif, J. Schenzle, C. Becker, A. Becker</td>
<td>Ludwig-Maximilians-University, Grosshadern Campus, Munich, Germany</td>
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<td>EPICARDIAL ADIPOSE TISSUE THICKNESS UNDERESTIMATE TOTAL CARDIAC FAT CONTENT: COMPARISON OF UNIDIMENSIONAL AND VOLUMETRIC METHODS</td>
<td>H. Vefali, J. Shirani</td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
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<td>SHARED MEDICAL APPOINTMENT TO PRE-SCREEN CCTA PATIENTS - A NOVEL APPROACH IN ESTABLISHING CARDIAC CT PROGRAM</td>
<td>M.Q. Najib, A. Loli, S. Murarka, D. Tumbiolo, U. Fatima</td>
<td>Banner Goodsamaritan Medical Center/Carl T. Hayden Medical Center, Phoenix, AZ, USA</td>
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SUNDAY, JULY 27, 2014

13:30 – 18:30 Poster Hall

P403 LIPIDS, LIPOPROTEIN DISORDERS AND CAD

Board No. Abstract No.

7 CLINICAL IMPLICATIONS OF THE EICOSAPENTAENOIC ACID TO ARACHIDONIC ACID RATIO IN PATIENTS WITH CORONARY ARTERY DISEASE
Saitama Medical Center, Saitama Medical University, Kawagoe, Japan

8 EFFICACY AND TOLERABILITY OF TWO DIFFERENT FORMULATIONS OF ATORVASTATIN IN PATIENTS WITH HYPERCHOLESTEROLEMIA; MULTICENTER, PROSPECTIVE, RANDOMIZED TRIAL
S.H. Kim, 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

9 LIPOPROTEIN FRACTIONS AND SUBFRACTIONS IN A MURINE MODEL OF EARLY ATHEROSCLEROSIS
Institute of Physiology SB RAMS, Institute of Catalysis SB RAS, Novosibirsk, Russia

P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT

10 PSYCHIATRIC COMORBIDITY AFTER ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY
W.C. Tzeng, H.P. Feng, S.M. Cheng, W.C. Chien
Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan

11 PREVALENCE AND DETERMINANTS OF INSOMNIA FOLLOWING A MYOCARDIAL INFARCTION
D. Da Costa, P. Desormeau, E. Libman, A.A. Allman, C. Grover, M. Raptis, I. Lowensteyn, S. Grover, McGill University, Montreal, QC, Canada

12 HBA1C AMONG ANGIOGRAPHIED CORONARY PATIENTS MORE STRONGLY PREDICTS CARDIOVASCULAR RISK IN WOMEN THAN IN MEN
Academic Teaching Hospital Feldkirch, Feldkirch, Austria

13 PROBNP STRONGLY PREDICTS VASCULAR EVENTS INDEPENDENTLY FROM THE ANGIOGRAPHICALLY DETERMINED CORONARY ARTERY STATE
Academic Teaching Hospital Feldkirch, Feldkirch, Austria
SUNDAY, JULY 27, 2014

13:30 – 18:30
Poster Hall

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

Board No. Abstract No.

14 ASSOCIATION OF FRIESINGER SCORE AND ELEVATED SERUM TRANSAMINASE LEVELS IN OCTOGENARIANS
S. Madan, D. Singal, C.S. Pitchumoni
Drexel University College of Medicine/Saint Peters University Hospital, New Brunswick, NJ, USA

15 CHRONIC AND ACUTE EFFECT OF SMOKING ON RIGHT AND LEFT VENTRICULAR DIASTOLIC FUNCTION
M. Seiedian, F. Ahmadi, L. Asgharinejad, M. Nourizadeh
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

16 DETERMINANTS OF THE HEALTH-RELATED QUALITY OF LIFE IN MALE PATIENTS WITH CORONARY ARTERY DISEASE
N. Arat, S. Usalp, O. Demiroz, C. Ciftci
Istanbul Science University, Medical School, Istanbul, Turkey

17 HYPOMAGNESAEAMIA IN MENOPAUSAL WOMEN; RELATIONSHIPS WITH ATHEROSCLEROSIS RISK FACTORS AND LOW LEVEL INFLAMMATORY SYNDROME IN PATIENTS WITH CARDIOVASCULAR DISEASE
I.A. Gutiu, A.I. Gutiu, F.S. Radulescu
“Carol Davila” University of Medicine and Pharmacy, Bucuresti, Romania

P405 PRIMARY PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATEROTHROMBOTIC DISEASE

18 MACRONUTRIENT INTAKE IS NOT ASSOCIATED WITH CORONARY ARTERY CALCIFICATION IN HEALTHY KOREAN ADULTS
K.C. Sung, S.H. Lee
Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

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, V.V. Gafarov, E.A. Gromova, I.V. Gagulin, A.V. Gafarova
Research Institute of Internal and Preventive Medicine SB RAMS, Novosibirsk, Russia

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, F. Fuentes
University of Texas Health Science Center at Houston, Houston, TX, USA
### Sunday, July 27, 2014

**Poster Hall**

#### P406 Left Ventricular Hypertrophy / Hypertrophic Cardiomyopathy / Diastolic Dysfunction

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**Title:** CHRONIC HEART FAILURE PATIENTS WITH REDUCED VERSUS PRESERVED EJECTION FRACTION IN SAUDI ARABIAN COHORT  
**Board No.:** 21  
**Abstract No.:** 392  
**Authors:** W. Al-Shaqha  
**Institution:** Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia

#### P407 Advances in Cardiac Surgery: Surgical Revascularization / Mechanical Circulatory Support / Cardiac Transplantation

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**Title:** PATHOLOGICAL FINDINGS IN CARDIAC APEX REMOVED DURING IMPLANTATION OF VENTRICULAR ASSIST DEVICES (VAD) ARE NON-SPECIFIC  
**Board No.:** 22  
**Abstract No.:** 393  
**Authors:** T. Strecker, J. Roesch, A. Agaimy, M. Weyand  
**Institution:** Friedrich-Alexander-University of Erlangen-Nuremberg, Center of Cardiac Surgery, Germany

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**Title:** TRENDS IN INTRA-AORTIC BALLOON PUMP USE OVER TIME WITH INDICATION FOR USE  
**Board No.:** 23  
**Abstract No.:** 394  
**Authors:** B.W. Ternus, R.J. Lennon, G.W. Barsness  
**Institution:** Mayo Clinic, Rochester, MN, USA

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**Title:** DEPRESSION AND DECREASED RISK OF IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS: FINDINGS FROM A US NATIONAL STUDY  
**Board No.:** 24  
**Abstract No.:** 395  
**Institution:** New York Medical College, Valhalla, NY, USA

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**Title:** A NEW CLASSIFICATION FOR CORONARY ARTERY BIFURCATION LESIONS  
**Board No.:** 25  
**Abstract No.:** 396  
**Authors:** T. Papadopoulos, A. Nikitopoulos, G. Spiromitros, A. Antoniou, J. Kanonidis  
**Institution:** Hippokration University Hospital, Greece

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**Title:** ARE AIRBAGS PROTECTIVE OR DETRIMENTAL TO THE HEART POST MOTOR VEHICLE ACCIDENTS?  
**Board No.:** 26  
**Abstract No.:** 397  
**Authors:** R.N. Khouzam  
**Institution:** University of Tennessee Health Science Center, Memphis, TN, USA

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**Title:** 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  
**Board No.:** 27  
**Abstract No.:** 398  
**Authors:** H. Habib, A.R. Asareh, S. ShomeiShooshtari, M. Nourizadeh, Z. Mansoori, A. Sattari, N. Asadinia  
**Institution:** Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran
**SUNDAY, JULY 27, 2014**

**13:30 – 18:30**

**Poster Hall**

### P408 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOMES

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<td>GRMEP, Grand Rapids, Michigan, USA</td>
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<td><strong>S. Banga, N. Chalfoun, D. Elmouchi, B. Finta, A. Woelfel, M. Dahu, A. Gauri</strong></td>
<td>GRMEP, Grand Rapids, Michigan, USA</td>
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<td>PROVIDING EQUITY IN CARE DELIVERY BY RACE, ETHNICITY AND LANGUAGE: TEXAS HEALTH RESOURCES’ INITIAL REVIEW</td>
<td><strong>J. Cheirif, A. Gracia, J. Veliz, L. Gerbig, M. Kini, M. Daja, T. Keller, M. Restrepo, M. Reyna, M. Vecchio T. Ngueyn, D. Varga</strong></td>
<td>Texas Health Resources, Arlington, TX, USA</td>
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<td>31</td>
<td>400</td>
<td>THE COST AND BENEFITS OF HELICOPTER EMERGENCY MEDICAL SERVICES INSTEAD OF THE GROUND UNIT IN CHEST TRAUMATIC PATIENTS: A COST-EFFECTIVENESS ANALYSIS</td>
<td><strong>A. Shamsakhtari, N. Saadatjafari, H. Kariman, M. Nourizadeh, N. Asadinia</strong></td>
<td>Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran</td>
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<td>32</td>
<td>401</td>
<td>SERIAL ECHOCARDIOGRAPHY FOR EARLY DIAGNOSIS OF CARDIOTOXICITY IN BREAST CANCER PATIENTS TREATED WITH TRASTUZUMAB</td>
<td><strong>F. Shah, D. Silverman, P. Doloto, K.C. Micetich, J.T. Barron</strong></td>
<td>Loyola University Medical Center, Maywood, IL, USA</td>
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<td>33</td>
<td>402</td>
<td>PREDICTORS OF MORTALITY IN HOSPITALIZED PATIENTS WITH HYPERKALEMIA</td>
<td><strong>J.B. Khanagavi, P.M. Phatak, T. Gupta, W.S. Aronow, J. Garg, S. Sule</strong></td>
<td>New York Medical College, Valhalla, NY, USA</td>
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<td>34</td>
<td>403</td>
<td>A SINGLE-CENTER RETROSPECTIVE COMPARISON OF STRESS ECHOCARDIOGRAPHY UTILIZATION BETWEEN FAMILY MEDICINE PHYSICIANS AND INTERNISTS</td>
<td><strong>A. Chaudhry, G.A. Baquero, W.R. Davidson, A.J. Foy</strong></td>
<td>Penn State Hershey Medical Center, Hershey, PA, USA</td>
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SCIENTIFIC PROGRAM

Monday, July 28, 2014
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

08:30  IS THE DASH DIET THE OPTIMAL DIET FOR HEART FAILURE PATIENTS? (Invited Lecture)
        M.A. Silver, Advocate Christ Medical Center, University of Illinois. IL, USA

08:45  MEDITERRANEAN DIET AND SECONDARY PREVENTION OF CVD (Invited Lecture)
        D.B. Panagiotakos, Harokopio University, Athens, Greece

09:00  LOOKING BACK ON THE LOOK AHEAD TRIAL (Invited Lecture)
        E. Barrett-Connor, University of California San Diego, La Jolla, CA, USA

        S. Vallurupalli, J.L. Mehta, University of Arkansas for Medical Sciences, Little Rock, AR, USA

09:30  INTEGRATING NUTRITION EDUCATION INTO THE CARDIOVASCULAR CURRICULUM CHANGES MEDICAL STUDENT EATING HABITS (Invited Lecture)
        R. Zelis, E. Vargas
        Pennsylvania State University, Hershey Medical Center, Hershey, PA, USA

09:45  DO VITAMIN AND MINERAL SUPPLEMENTS HAVE A ROLE IN CARDIOVASCULAR DISEASE PREVENTION? (Invited Lecture)
        H.D. Sesso, Brigham and Women’s Hospital, Boston, MA, USA

10:00  ALTERNATE HEALTHY EATING INDEX, MEDITERRANEAN AND DASH DIETARY PATTERNS AND RISK OF DEATH IN THE PHYSICIAN’S HEALTH STUDY (Invited Lecture)
        L. Djousse, A. Petrone, J.M. Gaziano
        Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA

10:15  RACIAL DIFFERENCES IN VITAMIN D/PARATHYROID HORMONE ENDOCRINE SYSTEM AND CARDIOVASCULAR DISEASE (Invited Lecture)
        Y. Song, Indiana University, Indianapolis, IN, USA

10:30  DIETARY FATTY ACIDS COMPOSITION AS A RISK FACTOR FOR CARDIOMETABOLIC DISORDERS: BEYOND THE CALORIES (Invited Lecture)
        L. Wang, Brigham and Women’s Hospital, Boston, MA, USA

10:45  THE ROLE OF EXERCISE AND REHABILITATION FOR HEART FAILURE PATIENTS (Invited Lecture)
        C. Chrysohoou, Hippokration Hospital, University of Athens, Greece

11:00  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
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<th>Time</th>
<th>Topic</th>
<th>Presenter/Institution</th>
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<tr>
<td>08:30</td>
<td>THE MANAGEMENT OF PATIENTS WITH ADVANCED HEART FAILURE</td>
<td>V.H. Pitzalis, East Carolina University, The Brody School of Medicine, Greenville, NC, USA</td>
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<td>08:45</td>
<td>CAN WE PREVENT HEART FAILURE READMISSIONS?</td>
<td>P.A. Heidenreich, Stanford University, Palo Alto, CA, USA</td>
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<td>09:00</td>
<td>ROLE OF THE “PERIPHERY” IN HEART FAILURE AND PRESERVED EJECTION FRACTION</td>
<td>J.A. Chirinos, University of Pennsylvania School of Medicine, Philadelphia, PA, USA</td>
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<tr>
<td>09:15</td>
<td>CARDIORENAL SYNDROME: NOT AS STRAIGHT FORWARD AS WE USED TO THINK</td>
<td>A. Kazory, University of Florida, Gainesville, FL, USA</td>
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<td>09:30</td>
<td>NEW TECHNOLOGIES TO IMPROVE CRT OUTCOME</td>
<td>K. Seidl, Klinikum Ingolstadt, Germany</td>
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<td>09:45</td>
<td>COLCHICINE AND NEW MANAGEMENT STRATEGIES FOR ACUTE AND RECURRENT PERICARDITIS</td>
<td>M. Imazio, Maria Vittoria Hospital, Torino, Italy</td>
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<td>10:00</td>
<td>SKELETAL MUSCLE HYPERTROPHY INDUCED BY NOVEL KAATSU REHABILITATION AND PREVENTION OF SARCOPENIA</td>
<td>T. Nakajima, T. Yasuda, S. Koise, Y. Sato, T. Morita, T. Tomaru, Y. Kano University of Tokyo, Tokyo, Japan</td>
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<tr>
<td>10:15</td>
<td>PERICARDIAL INVOLVEMENT FREQUENTLY COMPLICATING PULMONARY AND/OR SYSTEMIC SARCOID GRANULOMATOSIS. A LIFE-LONG, MULTI STAGE DISEASE, PERIODICAL STUDY IN 278 BIOPSY – PROVEN SARCOIDOSIS PATIENTS</td>
<td>I. Angomachalelis, G. Kyriazis, N. Angomachalelis Aristotle University of Thessaloniki,“G.Papanickolaou” General Hospital, Greece</td>
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<tr>
<td>10:30</td>
<td>IMATINIB: A NOVEL CANDIDATE FOR TREATMENT OF PERMEABILITY EDEMA</td>
<td>G.P. van Nieuw Amerongen, VU University Medical Center, Amsterdam, The Netherlands</td>
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<tr>
<td>10:45</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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MONDAY, JULY 28, 2014

08:30 – 10:45 Adrienne Salon

S33 Session
THE RELEVANCE OF GENETICS IN PROVIDING UNDERSTANDING AND TREATMENT FOR CARDIOVASCULAR DISEASE

Chair: M.J. Sanz, Valencia, Spain
M. Zahid, Pittsburgh, PA, USA

08:30 PHARMACOGENETICS-GUIDED INDIVIDUAL WARFARIN DOSING IN A CARDIOLOGY CLINIC – A PERSPECTIVE OBSERVATORY STUDY
W.Q. Fan, Y. Wu, B. Khalighi, A. Mirabbasi, R. Thachil, E.J. Mascarenhas, K. Khalighi, Easton Hospital, Drexel University, Easton, PA, USA

08:45 A MICRO-RNA-410 REGULATED LIPOPROTEIN LIPASE POLYMORPHISM IS ASSOCIATED WITH TRIGLYCERIDES AND STROKE INCIDENCE
Instituto de Salud Carlos III, Madrid, Spain

09:00 ATF3 PROTECT AGAINST PRESSURE OVERLOAD HEART FAILURE VIA BECLIN-1 PATHWAY
C.F. Cheng, S.F. Li, H. Lin, Tzu Chi General Hospital, Hualien, Taiwan

09:15 RAPID UP-REGULATION AND CLEARANCE OF DISTINCT CIRCULATING MICRONAS AFTER PROLONGED AEROBIC EXERCISE
Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

09:30 RANOLAZINE PREVENTS TRASTUZUMAB-CARDIOTOXICITY IN EXPERIMENTAL MODELS
N. Maurea, 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

09:45 VARIATION IN THE MINICHROMOSOME MAINTENANCE COMPLEX COMPONENT 6 GENE, DAIRY INTAKE AND CARDIOVASCULAR RISK
Instituto de Salud Carlos III, Madrid, Spain

10:00 GENE ELECTRO TRANSFER OF PVEGF INDUCES ANGIOGENESIS AND IMPROVES CARDIAC FUNCTION IN A PORCINE ISCHEMIA MODEL
B. Hargrave, R. Strange, Jr., C. Lundberg, N. Burcus, A. Bulysheva, R. Heller
Old Dominion University, Norfolk, VA, USA

10:15 THE FAMILY HISTORY AND GENETIC RISK DISCONNECT IN WOMEN
Rush University Medical Center, Chicago, Illinois, USA

10:30 REPETITIVE APPLICATION OF RESTRICTION OF MUSCLE BLOOD FLOW ENHANCES MTOR SIGNALING PATHWAYS IN A RAT MODEL
T. Nakajima, T. Yasuda, S. Koide, Y. Sato, T. Tomaru, Y. Kano
University of Electro-Communications, Tokyo, Japan
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

11:15 OLD AND EMERGING OPTIONS FOR TREATMENT OF REFRACTORY ANGINA: A CRITICAL APPRAISAL (Invited Lecture)
U. Thadani, University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA

11:30 MANAGEMENT OF STABLE ISCHEMIC HEART DISEASE: OVERVIEW OF RECENT GUIDELINES (Invited Lecture)
J.M. Gardin, Hackensack University Medical Center, NJ, USA

11:45 IN-VIVO RISK STRATIFICATION OF INDIVIDUAL CORONARY ARTERY PLAQUES: EVOLVING PARADIGM FOR PREEMPTIVE MANAGEMENT OF PATIENTS WITH CAD (Invited Lecture)
P.H. Stone, Brigham & Women’s Hospital, Boston, MA, USA

12:00 FRACTIONAL FLOW RESERVE (FFR) AT 2014- WHERE ARE WE AND WHERE IS IT GOING (Invited Lecture)
E. Kaluski, University Hospital, Newark, NJ, USA

12:15 IS ISCHEMIA UNIVERSAL IN A CHRONIC TOTAL OCCLUSION? (Invited Lecture)
R. Sachdeva, North Fulton Hospital, Roswell, GA, USA

12:30 OPTIMAL DURATION OF DUAL ANTIPLATELET THERAPY AFTER DES IMPLANTATION: EXCELLENT TRIAL AND FUTURE PERSPECTIVES (Invited Lecture)
H-C. Gwon, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

12:45 DUAL UTILIZATION OF EXERCISE ECHOCARDIOGRAMS AND MYOCARDIAL PERFUSION IN ASSESSING ISCHEMIA IN A CARDIOLOGY PRACTICE (Invited Lecture)
Y. Charuzi, R.W. Gao, J. Mirocha, Cedars Sinai Heart Institute, Los Angeles, CA, USA

13:00 ATYPICAL AND UNUSUAL CLINICAL PRESENTATIONS OF PATIENTS WITH ISCHEMIC HEART DISEASE (Invited Lecture)
H.K. Reddy, R. Komatireddy, R.K. Sharma
St. Louis University Medical School, St. Louis, Missouri, USA

13:15 STABLE ISCHEMIC HEART DISEASE: EVOLVING CONCEPTS AND THE ROLE OF ISCHEMIA (Invited Lecture)
M.S. Sidhu, Albany Medical College, Albany, NY, USA

13:30 CT FLOW METRICS BASED ON CONTRAST OPACIFICATION (Invited Lecture)
F.J. Rybicki, D.M. Mitsouras, Brigham and Women’s Hospital, Boston, MA, USA

13:45 SHOULD DUAL ANTI-PLATELET THERAPY FOR CORONARY ARTERY DISEASE BE MORE OR LESS THAN 12 MONTHS? : A META-ANALYSIS (Invited Lecture)
PL20  Plenary Session
OBESITY, DIABETES AND CVD

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

11:15  THE MACROPHAGE A2B ADENOSINE RECEPTOR REGULATES OBESITY-INDUCED TISSUE INSULIN SENSITIVITY (Invited Lecture)
K. Ravid, H. Johnston-Cox, A. Eisenstein, M. Koupenova-Zamor
Boston University School of Medicine, Boston, MA, USA

11:30  METABOLIC SYNDROME CRITERIA: CAUSE VERSUS EFFECT OF CARDIOMETABOLIC DISEASE (Invited Lecture)
T.B. Levine, Drexel University College of Medicine, Philadelphia, PA, USA

11:45  MITOCHONDRIAL DYSFUNCTION AND DIABETIC HEART DISEASE (Invited Lecture)
S. Kobayashi, Y. Huang, Q. Liang
New York Institute of Technology, Old Westbury, NY, USA

12:00  BENEFITS AND RISKS OF ANTIDIABETIC TREATMENT IN PATIENTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)
C.H. Saely, VIVIT Institute, Academic Teaching Hospital, Feldkirch, Austria

12:15  SERENDIPITY IN MEDICINE; DOES CHANCE TRULY FAVOR THE PREPARED MIND? (Invited Lecture)
R.W.W. Biederman, Carnegie Mellon University, Allegheny General Hospital, Pittsburgh, PA, USA

12:30  HIGH CARDIOVASCULAR RISK IN NON-ALCOHOLIC FATTY LIVER DISEASE: A POSSIBLE ROLE FOR INCREASED OXIDATIVE STRESS?
F. Angelico, M. Del Ben, L. Polimeni, F. Baratta, D. Pastori, R. Carnevali, S. Bartimoccia, F. Violi
Sapienza University, Rome, Italy

12:45  IMPACT OF METABOLIC SYNDROME ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC INDIVIDUALS
S.M. Jung, G.M. Park, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, S.W. Lee
**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

**11:15 TREATING RAPID ATRIAL FIBRILLATION IN DECOMPENSATED HEART FAILURE: METOPROLOL IS SUPERIOR TO DILTIAZEM**  
Washington University in St. Louis School of Medicine, St. Louis, Missouri, USA

**11:30 PREDICTORS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION (HFPEF)**  
University of Texas Medical Branch, Galveston, TX, USA

**11:45 OPTIMIZING HEART FAILURE OUTCOMES: WHICH HOSPITAL CARE MODEL CAN WE LEARN FROM?**  
**P.M. Ndunda**, M. Farhoud, H. Farhou, K.J. Kallail  
Kansas University School of Medicine-Wichita, Wichita, KS, USA

**12:00 COMPARATIVE EFFECTIVENESS OF TRANSITIONAL CARE SERVICES IN PATIENTS DISCHARGED FROM THE HOSPITAL WITH HEART FAILURE (HF): A META-ANALYSIS**  
Population Health Research Institute and McMaster University, Hamilton, ON, Canada

**12:15 INFLUENCE OF PREHYPERTENSION AND STAGE-1 HYPERTENSION ON THE OUTCOME OF ADULTS WITH HYPERTROPHIC CARDIOMYOPATHY**  
**Y.R. Manda**, L.B. Chebrolu, J. Shirani  
St Luke’s University Health Network, Bethlehem, PA, USA

**12:30 ASSOCIATION OF HUMANIN A NOVEL MITOCHONDRIAL DERIVED PROTEIN AND HUMAN HEART FAILURE: RESULTS OF A PILOT INVESTIGATION**  
**H. Narayanasamy**, N. Bardia, J. Wan, D. Lee, P. Cohen, L. Grazette  
Keck Medical School of USC, LA, CA, USA

**12:45 DECREASED RENAL FUNCTION IS ASSOCIATED WITH HEART FAILURE READMISSION**  
**M.R. Vindhyal**, B. Duran, H. Farhoud, K.J. Kallail  
KU School of Medicine, Wichita, Kansas, USA

**13:00 EDHFIC: INITIAL EXPERIENCE WITH A NOVEL MULTIDISCIPLINARY COLLABORATION TO DECREASE HEART FAILURE ADMISSIONS**  
**A.S. Bhatt**, C. Cosgrove, **M. Moorer**, A.J. Smally, J. Radojevic, D. Wencker, J.A. Gluck, University of Connecticut School of Medicine, Farmington, CT, USA

**13:15 COLCHICINE USE FOR THE PRIMARY PREVENTION OF POSTPERICARDIOTOMY SYNDROME (CUPP): A META-ANALYSIS**
S34  Session
DISEASE PATHWAYS AND NEW TREATMENT STRATEGIES IN HEART FAILURE AND CARDIOMYOPATHIES (cont.)

13:30  TRASTUZMAB CARDIOTOXICITY DOCUMENTED BY SERIAL ASSESSMENT OF LEFT VENTRICULAR SYSTOLIC FUNCTION AND GLOBAL LONGITUDINAL PEAK STRAIN
Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA

13:45  PREDICTORS OF LEFT VENTRICULAR DYSFUNCTION AFTER ARTERIAL-VENOUS FISTULA PLACEMENT
Albany Medical College, Albany, NY, USA
MONDAY, JULY 28, 2014

08:00 – 13:00  Poster Hall

P501  MOLECULAR AND CELLULAR CARDIOLOGY, BASIC AND TRANSLATIONAL RESEARCH

Board No.  Abstract No.

1  ENHANCED INHIBITORY EFFECTS OF AMIODARONE ON HERG CHANNELS DUE TO A COMPOUND MUTATION L539/FS47-HERG LINKED TO LONG QT SYNDROME TYPE 2
   G.L. Li, A.F. Zhang, J.E. Wu, W.Q. Han, S.T. Ma, Y. Lv, C.C. Cui, C.F. Sun
   The First Affiliated Hospital, Xi’an Jiaotong University College of Medicine, Xi’an, Shaanxi, China

2  GAB1 IS ESSENTIAL FOR CARDIOPROTECTION AGAINST ISCHEMIC/REPERFUSION INJURY
   L. Sun, C. Chen, B. Jiang, X. Yang, R.L. Zhang, Y.Q. Huo, G.S. Feng, Y. Zhang,
   J.C. Luo
   Institute of Molecular Medicine, Peking University, Beijing, China

3  PREVALENCE OF ANTIPLATELET DRUG RESISTANCE IN ASIAN COMMUNITY
   A.P. Sadath, G.V. Raghavan
   Kims Hospital, Trivandrum, Kerala, India

4  ANTIOXIDANT EFFECT OF METABOLIC DRUG ELTACIN AND ITS USE IN THERAPY OF AGING PATIENTS WITH ISCHEMIC HEART DISEASE
   E.V. Kalinina, R.M, Zaslavskaya, Y.R. Nartsissov
   Peoples’ Friendship University of Russia, Moscow, MS, Russia

5  ESSENTIAL ROLE OF UVRAG IN CARDIAC FUNCTION
   L. An, Z. Song, Y. Ye, Y. Zou, L. He, H. Zhu
   Bio-X Institutes, Key Laboratory for the Genetics of Developmental and Neuropsychiatric Disorders, Ministry of Education, Shanghai Jiao Tong University, Shanghai, China

6  HIGH-FAT DIET ENHANCED CTRP1 PROTEIN STIMULATES SIGNALING PATHWAY RELATED TO MUSCLE CONTRACTION IN C2C12 MYOCYTES
   Y. Yang
   Sookmyung Women’s University, Seoul, Republic of Korea

P502  PROGRESS IN ECHOCARDIOGRAPHY

7  IMPORTANT ETHNIC DIFFERENCES IN STROKE VOLUME (SV) – BODY SURFACE AREA (BSA) RELATIONS: ECHONORMAL META-ANALYSIS
   J.M. Gardin, K.K. Poppe, G.A. Whalley; R. Senior, on behalf of the EchoNoRMAL collaborators
   Hackensack University Medical Center, Hackensack, NJ, USA
8  ECHOCARDIOGRAPHIC INDICES ASSOCIATED WITH THE
PHENOTYPE OF FRAILTY
S.M. Gharacholou, T. Tashiro, S.S. Cha, P.Y. Takahashi
Mayo Clinic Health System, La Crosse, WI, USA

9  ANALYSIS OF VALVAR AND LEFT VENTRICULAR PARAMETERS IN
INFECTIVE AORTIC ENDOCARDITIS AS PREDICTORS OF OUTCOME:
A COMBINED ASSESSMENT BY TRANSESOPHAGEAL AND STRAIN
ECHOCARDIOGRAPHY
A. Vitarelli, L. Capotosto, F. Caranci, I. D’Angeli, M. De Maio, R. Ashurov
Sapienza University, Rome, Italy

10 ENHANCEMENT OF PEAK AORTIC VELOCITY SIGNALS BY CONTRAST
MICROBUBBLES
J.C. Westerdale, E. McMahon, M. Katayama, H.P. Chaliki, M. Belohlavek
Mayo Clinic Arizona, Scottsdale, AZ, USA

11 ASSESSMENT OF LEFT AND RIGHT ATRIAL FUNCTION BY THREE-
DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHY FOLLOWING
PERCUTANEOUS CLOSURE OF PATENT FORAMEN OVALE
A. Vitarelli, E. Mangieri, G. Tanzilli, L. Capotosto, A. Azzano, K. Mukred,
M. De Maio, R. Ashurov
Sapienza University, Rome, Italy

12 RIGHT VENTRICULAR DYSFUNCTION AND DYSSYNCHRONY AFTER
SURGICAL REPAIR OF TETRALOGY OF FALLOT: A THREE-DIMENSIONAL
AND SPECKLE TRACKING ECHOCARDIOGRAPHIC STUDY
A. Vitarelli, F. Miraldi, I. D’Angeli, L. Capotosto, R. Ashurov, M. De Maio
Sapienza University, Rome, Italy

13 TWO-DIMENSIONAL AND THREE-DIMENSIONAL SPECKLE-TRACKING
ECHOCARDIOGRAPHY IN THE ASSESSMENT OF LEFT AND RIGHT VENTRICULAR
FUNCTION AFTER MITRALCLIP IMPLANTATION IN
FUNCTIONAL MITRAL REGURGITATION
A. Vitarelli, E. Mangieri, G. Tanzilli, L. Capotosto, R. Ashurov, M. De Maio
Sapienza University, Rome, Italy

14 CORRELATION OF LEFT ATRIAL APPENDAGE (LAA) INFLOW AND
OUTFLOW VELOCITIES WITH THE CHADS2 AND CHA2DS2-VASC SCORES
C.B. Clark, N. Telles, C.H. Renner
Iowa Physicians Clinic Medical Foundation, Des Moines, Iowa, USA
P502 PROGRESS IN ECHOCARDIOGRAPHY (cont.)

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P503 ATRIAL FIBRILLATION AND STROKE PREVENTION

Board No. | Abstract No.
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22 | 482

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15 ROLE OF SIMULATION IN ECHOCARDIOGRAPHY TRAINING IN CARDIOLOGY FELLOWS: A PILOT STUDY
N. Sareen, R. Adams, A. Ojha, K. Patel, W. Smith
St Joseph Mercy Oakland, Wayne State University, Pontiac, MI, USA

16 A META-ANALYSIS OF ASSOCIATION BETWEEN EPICARDIAL ADIPOSE TISSUE AND DIASTOLIC DYSFUNCTION
P. Agasthi, H.J. Willens, L. Tamariz
University of Miami, Miami, FL, USA

17 BICUSPID AORTIC VALVE AND AORTIC ROOT MORPHOLOGY IN HISPANIC PATIENTS
Department of Internal Medicine at Mount Sinai Medical Center, Miami Beach, FL, USA

18 CHANGES IN LV SYSTOLIC FUNCTION AND DIMENSIONS AFTER AV FISTULA PLACEMENT
Albany Medical Center, Albany, NY, USA

19 ANOMALOUS ORIGIN OF THE LEFT CORONARY ARTERY FROM THE PULMONARY TRUNK IN ASYMPTOMATIC ADOLESCENT ATHLETE. CASE REPORT
E. Vallejo, K. Rojas, C. Cely, D. Maldonado
Universidad Libre-seccional, Cali, Columbia

20 3D TRANSESOPHAGEAL ECHOCARDIOGRAPHY IMPROVES LEFT ATRIAL APPENDAGE EVALUATION PRIOR TO CARDIOVERSION
A. Ali, J. Banchs, A. Haouzi
Penn State University, Hershey, PA, USA

21 HOW IS THE QUALITY OF INR CONTROL FOR STROKE PREVENTION IN NON-VALVULAR ATRIAL FIBRILLATION IN CLINICAL PRAXIS?
University Hospital of Sabadell (Univ. Autonoma de Barcelona), Sabadell, Spain

22 AGE AND GENDER COMPARISONS OF ATRIAL FIBRILLATION PREVALENCE IN PATIENTS WITH HYPERTENSION AND NORMAL BLOOD PRESSURE
Mayo Clinic Jacksonville, FL, USA
MONDAY, JULY 28, 2014

08:00 – 13:00  Poster Hall

P503  ATRIAL FIBRILLATION AND STROKE PREVENTION (cont.)

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<th>Institution</th>
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<td>23</td>
<td>483</td>
<td>ANTITHROMBOTIC THERAPY IN ELDERLY PATIENTS WITH ATRIAL FIBRILLATION: A SINGLE CENTER RETROSPECTIVE STUDY</td>
<td>W. Xiang, M.L. Liu, F. Liu, X.R. Feng, Y.C. Wang</td>
<td>First Hospital, Peking University, Beijing, China</td>
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<td>24</td>
<td>484</td>
<td>ELEVATED SERUM URIC ACID LEVELS AND DIASTOLIC DYSFUNCTION IN PATIENTS WITH ATRIAL FIBRILLATION CONVERTED TO SINUS RHYTHM</td>
<td>J.O. Na, S.K. Lee, C.U. Choi, H.E. Lim, J.W. Kim, E.J. Kim, S.W. Rha, C.G. Park, H.S. Seo, D.J. Oh</td>
<td>Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea</td>
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<td>25</td>
<td>485</td>
<td>ANGIOEDEMA: AN UNCOMMON BUT POTENTIALLY LIFE-THREATENING DRUG REACTION OF APIXIBAN</td>
<td>A. Khan, T. Aung, R. Bhagat, D. Mascarenhas, Easton Hospital, Pennsylvania, PA, USA</td>
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