



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

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

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

PROGRAM

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AMERICAN COLLEGE OF CARDIOLOGY, CALIFORNIA CHAPTER
THE AMERICAN SOCIETY FOR PREVENTIVE CARDIOLOGY

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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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INTERNATIONAL ACADEMY OF CARDIOLOGY MEMORIAL AWARDS

The International Academy of Cardiology has established five awards to honor the memory of distinguished colleagues who made a major contribution to Medicine and Cardiology and who were members of the faculty for previous International Academy of Cardiology meetings. As in previous years, the recipients were selected by a very prestigious Awards Committee. The awards for 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. Dhalla, Canada
2002	Hani N. Sabbah, USA
2003	Jawahar L. Mehta, USA
2005	Francis G. Spinale, USA
2007	Thomas Force, USA
2008	Robert Roberts, Canada
2010	Pawan K. Singal, Canada
2011	Dipak K. Das, USA
2012	Teruhiko Toyooka, 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. Dhalla, Canada
2008	John A. Elefteriades, USA
2010	Anne B. Curtis, USA
2011	Lewis C. Becker, USA
2011	Daniel S. Berman, USA
2011	Bodh I. Jugdutt, USA
2012	Wilbert S. Aronow, USA
2012	Navin C. Nanda, USA
2012	Robert Roberts, Canada
2013	Elizabeth Barrett-Connor, USA
2013	Michael E. Cain, USA
2013	Michael H. Criqui, USA



INTERNATIONAL ACADEMY OF CARDIOLOGY OPENING LECTURES

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 VODOO 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

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

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

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

GENERAL INFORMATION

VENUE AND HEADQUARTERS HOTEL

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

Hotel Address:

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

LANGUAGE

The official language of the Congress is English.

REGISTRATION DESK

The Registration Desk will operate as follows:

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

PROJECTION EQUIPMENT

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

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

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

Important note for Macintosh users:

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

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

POSTER PRESENTATIONS

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



PLEASE NOTE: The Congress Organizers are not responsible for posters that have not been removed / collected by the end of designated sessions.
Please make yourself available next to your poster during coffee and lunch breaks to answer possible questions.

EXHIBITION

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

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

ATTENDANCE CERTIFICATES

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

GET-TOGETHER RECEPTION

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

FAREWELL DINNER (Optional)

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

AMA CME

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

INSURANCE

The Congress Secretariat and Organizers cannot accept liability for personal accidents or loss of, or damage to, private property of participants, students and accompanying persons, either during or indirectly arising from the International Academy of Cardiology, Annual Scientific Sessions 2014, 19th World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.

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

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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:

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INTERNATIONAL
ACADEMY OF
CARDIOLOGY

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

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

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

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SATURDAY, JULY 26, 2014

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

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International Academy of Cardiology

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Member, Scientific Executive Committee

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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

Abstract No.

09:40 INTRODUCTION

N.D. Wong, Irvine, CA, USA

09:45 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS,
BIOLOGY, OR BOTH? (Invited Lecture)

072

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

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 12:45

Grand Ballroom

PL01 Plenary Session

NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES

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

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

001

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

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

002

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

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

003

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

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

004

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

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

005

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

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

006

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

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

007

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

SATURDAY, JULY 26, 2014

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

Abstract No.

- | | | |
|-------|---|------------|
| 12:30 | DIFFERENCE IN SERUM AMYLOID A LEVELS BETWEEN PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION OF ISCHEMIC AND NON ISCHEMIC ORIGIN
(Invited Lecture)
D. Anzulovi-Miroševi, M. Zaninotto, M.M. Mion, M. Plebani, S. Dalla-Volta
University of Padua Medical School, Italy | 008 |
| 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) N.C. Nanda , University of Alabama at Birmingham, Birmingham, AL, USA	009
11:00	PRESENT AND FUTURE OF NUCLEAR CARDIOLOGY AND CARDIAC CT IN CAD: VALUE-BASED IMAGING (Invited Lecture) D.S. Berman , Cedars Sinai Medical Center, Los Angeles, CA, USA	010
11:15	STRESS-ONLY IMAGING; A NEW PARADIGM FOR PERFORMING STRESS MYOCARDIAL PERFUSION IMAGING (Invited Lecture) J.J. Mahmarian , Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA	011
11:30	IMAGING ACE AND ANGIOTENSIN RECEPTORS IN THE HEART (Invited Lecture) J. Shirani , St. Luke's Hospital and Health Network, Bethlehem, PA, USA	012
11:45	HAND HELD CARDIAC ULTRASOUND: ROLE IN CLINICAL PRACTICE (Invited Lecture) P.A. Pellikka , Mayo Clinic College of Medicine and Mayo Foundation, Rochester, MN, USA	013
12:00	IMPACT OF CORONARY CT ANGIOGRAPHY ON PATIENT MANAGEMENT AND CARDIOVASCULAR OUTCOMES: HOW TO INTEGRATE TEST RESULTS IN PATIENT CARE (Invited Lecture) R. Blankstein , Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA	014
12:15	FUNCTIONAL AND ANATOMICAL CARDIAC IMAGING IN PATIENTS WITH CORONARY ARTERY STENTS (Invited Lecture) A. Elhendy , Marshfield Clinic, Marshfield, WI, USA	015
12:30	DIAGNOSTIC AND PROGNOSTIC ROLE OF NONINVASIVE CORONARY FLOW RESERVE (Invited Lecture) Q. Ciampi , C. Manicardi, B. Villari, Fatebenefratelli Hospital, Benevento, Italy	016
12:45	CARDIAC MAGNETIC RESONANCE IMAGING FOR CORONARY ARTERY DISEASE (Invited Lecture) F. Sozzi , Ospedale Maggiore Policlinico, Italy	017
13:00	FRACTIONAL FLOW RESERVE (Invited Lecture) J.A. Garcia , Denver Health Medical Center, Denver, CO, USA	018

SATURDAY, JULY 26, 2014

10:45 – 13:30

Martha's Vineyard

PL02 Plenary Session

ADVANCES IN CARDIOVASCULAR IMAGING (cont.)

Abstract No.

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

019

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

- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

SATURDAY, JULY 26, 2014

10:45 – 13:00

Nantucket

PL03 Plenary Session NOVEL THERAPIES FOR ATHEROSCLEROSIS

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

Abstract No.

- | | | |
|-------|--|-----|
| 10:45 | GUIDING PRINCIPLES IN STATIN UTILIZATION: EMERGING CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)
C.H. Hennekens , Florida Atlantic University, Boca Raton, FL, USA | 020 |
| 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 | 021 |
| 11:15 | TRANSLATION OF HDL FUNCTIONALITY IN CLINICAL PRACTICE (Invited Lecture)
R.S. Rosenson , Mount Sinai School of Medicine, New York, NY, USA | 022 |
| 11:30 | RESIDUAL VASCULAR RISK AFTER STATIN THERAPY: THE PROMISE OF NOVEL LIPOPROTEIN BIOMARKERS (Invited Lecture)
S. Mora , Brigham and Women's Hospital, Boston, MA, USA | 023 |
| 11:45 | NEW AVENUES IN THE FIGHT AGAINST ATHEROSCLEROSIS (Invited Lecture)
S. Lehoux , McGill University, Montreal, QC, Canada | 024 |
| 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 | 025 |
| 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 | 026 |
| 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 | 027 |
| 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 | 028 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 26, 2014

10:45 – 13:00

Adrienne Salon

S21 Session PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

Abstract No.

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

- | | | |
|-------|--|-----|
| 10:45 | CHEST COMPRESSIONS DURING SUSTAINED INFLATIONS: A NOVEL TECHNIQUE OF NEONATAL RESUSCITATION THAT IMPROVES RECOVERY AND SURVIVAL IN A NEONATAL PORCINE MODEL
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 | 029 |
| 11:00 | CARDIAC FINDINGS IN NOONAN SYNDROME ON LONG-TERM FOLLOW-UP
J.A. Noonan , J.L. Colquitt, University of Kentucky, Lexington, KY, USA | 030 |
| 11:15 | ECHOCARDIOGRAPHIC ASSESSMENT OF UNICUSPID AORTIC VALVE
C.D. Janish , E.R. Fenstad, C.M. Witt, G.C. Kane, P.A. Pellikka
Mayo Clinic, Rochester, MN, USA | 031 |
| 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 | 032 |
| 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 | 033 |
| 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 | 034 |
| 12:15 | PREDICTION OF PULMONARY REGURGE AND RIGHT VENTRICULAR FUNCTION IN ASYMPTOMATIC REPAIRED TETRALOGY OF FALLOT PATIENTS IN DEVELOPING COUNTRIES; A COMPARISON TO CARDIAC MRI
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 | 035 |

SATURDAY, JULY 26, 2014

10:45 – 13:00

Adrienne Salon

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

Abstract No.

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|-------|---|------------|
| 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 | 036 |
| 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 | 037 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

P101 THE PLAQUE AND ACUTE CORONARY SYNDROMES

Board No.

Abstract No.

- 1 ELECTROCARDIOGRAPHIC CHANGES, TROPONIN ELEVATION AND LENGTH OF STAY AMONG COCAINE USERS ADMITTED FOR CHEST PAIN **F. Garcia Trobo**, A. Barbagelata, B. Manduca, F. Visco, G. Pekler
New York Medical College, New York, NY, USA **038**
- 2 PLASMA SEROTONIN AND PLATELET AGGREGATION RESPONSE TO COLLAGEN AS A PREDICTOR OF ADVERSE EVENTS **T. Nantsupawat**, J. Simoni, G. Simoni, G. Sutamtewagul, C. Mankongpaisarnrung, J. Suarez, L.A. Jenkins
Texas Tech University Health Sciences Center, Lubbock, TX, USA **039**
- 3 DECADES AFTER TAKOTSUBO **M.U. Farooq, W.Q. Fan**, T. Aung, N. Singh, K. Khalighi
Easton Hospital, Easton, PA, USA **040**

P102 BIOCHEMICAL MARKERS FOR RISK ASSESSMENT IN CARDIOVASCULAR DISEASE

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

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 **046**
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 **047**
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 **048**
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 **049**
D. Corella, C. Ortega-Azorín, J.V. Sorlí, O. Portolés, E.M. Asensio, C. Saiz, . R Osma, P. Guillem-Saiz, J.I. González, O. Coltell
CIBER Fisiopatología de la Obesidad y Nutrición, Instituto de Salud Carlos III, Madrid, Spain

13 RELATIONSHIP BETWEEN ADMISSION BLOOD GLUCOSE LEVEL AND LONG-TERM CLINICAL OUTCOME IN ACUTE MYOCARDIAL INFARCTION **050**
T. Nunohiro, M. Kurobe, K. Minami, S. Furudono, K. Amenomori, K. Uchida, S. Takeshita, H. Nakashima
Nagasaki Citizens Hospital, Nagasaki, Japan

14 DO WE REACH BETTER LIPID CONTROL IN DIABETIC PATIENTS AFTER PERCUTANEOUS CORONARY INTERVENTION? **051**
A. Martínez-Rubio, E. Bosch-Peligero, M. Bonet-Alvarez, R. Flores-Clotet, M. DiazNuila-Alcazar, M. Santalo-Corcoy, E. Agut-Busquet, D. Valcarcel-Paz, J.C. Oliva-Morera, J. Guindo-Soldevila
University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain

SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

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

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

SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

P105 PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION

Board No.

Abstract No.

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| 22 | <p>EXPERIENCE WITH VENO-VENOUS ECMO IN PATIENTS WITH SEVERE ARDS_</p> <p>T. Strecker, J. Roesch, F. Muench, M. Weyand
Friedrich-Alexander-University Erlangen-Nuremberg,
Center of Cardiac Surgery, Germany</p> | 059 |
| 23 | <p>OBESITY IN PULMONARY ARTERIAL HYPERTENSION: IMPACT OF BODY MASS INDEX (BMI) ON SEVERITY AND OUTCOME</p> <p>J. Nichols, D. Wilcox, R. Foley, D. Datta
University of Connecticut Health Center, Farmington, CT, USA</p> | 060 |
| 24 | <p>CORRELATION BETWEEN PULMONARY ARTERY DIAMETER AND MEAN PULMONARY ARTERY PRESSURE IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH SCLERODERMA</p> <p>J.H. Nichols, E. Kaloudis, D. Datta, R. Foley
University of CT Health Center, Farmington, CT, USA</p> | 061 |
| 25 | <p>PROCESS/OUTCOME MEASURES OF ADULT VENOUS THROMBOEMBOLUS (VTE) & PULMONARY EMBOLUS (PE) PROPHYLAXIS</p> <p>D.T. Gray
Agency for Healthcare Research and Quality, Rockville, MD, USA</p> | 062 |
| 26 | <p>RIGHT VENTRICULAR MYOCARDIAL STRAIN TO QUANTIFY DYSFUNCTION IN SUBMASSIVE PULMONARY EMBOLISM</p> <p>A.B. Malone, L.L. Eberhart, A.M. Cook, R.C. Phillion, M.F. Knox, D.E. Langholz
Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA</p> | 063 |

P106 CARDIOVASCULAR ASPECTS IN RENAL DISEASE

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| 27 | <p>HIGHER CYSTATIN C LEVEL PREDICTS CONTRAST INDUCED NEPHROPATHY IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE WITH PRESERVED NORMAL KIDNEY FUNCTION</p> <p>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</p> | 064 |
| 28 | <p>EFFECT OF SEMAPHORIN 3C ON ENDOTHELIAL-TO-MESEMCHYMAL TRANSITION IN POLYCYSTIC KIDNEY DISEASE</p> <p>B.H. Kim, J.Y. Ko, J.H. Park
Sookmyung Women's University, Seoul, South Korea</p> | 065 |

SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

P107 SYNCOPE AND SUDDEN DEATH: RISK ASSESSMENT AND MANAGEMENT

Board No.

Abstract No.

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| 29 | ADMISSION POTASSIUM AND PH AS OUTCOME PREDICTORS IN OUT-OF-HOSPITAL CARDIAC ARREST PATIENTS TREATED WITH THERAPEUTIC HYPOTHERMIA
Y. Ji , M. Sidhu, M. Torosoff
Albany Medical College, Albany, NY, USA | 066 |
| 30 | UTILITY OF T-WAVE-ALTERNANS AND HEART RATE VARIABILITY FOR RISK ASSESSMENT IN BRUGADA SYNDROME
S. Sakamoto , M. Takagi, H. Tatsumi, A. Doi, M. Yoshiyama
Osaka City University Graduate School of Medicine, Osaka City, Japan | 067 |
| 31 | THE IMPACT OF VASOPRESSOR AND/ OR INOTROPE USE DURING THERAPEUTIC HYPOTHERMIA ON NEUROLOGIC OUTCOME IN CARDIAC ARREST DUE TO SHOCKABLE RHYTHM
C. Parks , S.U. Nair, J. Lundbye
University of Connecticut School of Medicine, Farmington, CT, USA | 068 |
| 32 | A POTENT DOMINANT NEGATIVE MUTATION IN HERG IN A CHINESE FAMILY EXPERIENCING LONG QT SYNDROME, EPILEPSY, AND UNEXPECTED SUDDEN DEATH
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 | 069 |
| 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 | 070 |
| 34 | TRANSIENT EPISODES OF UNRESPONSIVENESS IN A PATIENT ON METHADONE
S. Kanneganti, B. Khalighi , K. Khalighi
Easton Hospital, Easton, PA, USA | 071 |

SATURDAY, JULY 26, 2014

14:00 – 16:15

Grand Ballroom

PL04 Plenary Session

CARDIOVASCULAR DISEASE PREVENTION AND RISK FACTORS

Chairs: **L.S. Sperling**, Atlanta, GA, USA

N.D. Wong, Irvine, CA, US

Abstract No.

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

SATURDAY, JULY 26, 2014

14:00 – 16:15

Martha's Vineyard

PL05 Plenary Session

PREDICTION AND PREVENTION OF SUDDEN CARDIAC DEATH

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

A.B. Curtis, Buffalo, NY, USA

Abstract No.

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

SATURDAY, JULY 26, 2014

14:00 – 16:45

Nantucket

PL06 Plenary Session

INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS

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

Abstract No.

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|-------|---|-----|
| 14:00 | INNATE IMMUNITY AND HEART DISEASE (Invited Lecture)
A.A. Knowlton , University of California, Davis, CA, USA | 091 |
| 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 | 092 |
| 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 | 093 |
| 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 | 094 |
| 15:00 | NOVEL ALTERNATIVE MECHANISMS OF CARDIOVASCULAR CALCIFICATION (Invited Lecture)
E. Aikawa , Harvard Medical School, Brigham and Women's Hospital, Boston, MA, USA | 096 |
| 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 | 097 |
| 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 | 098 |
| 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 | 099 |
| 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 | 100 |

SATURDAY, JULY 26, 2014

14:00 – 16:45

Nantucket

PL06 Plenary Session

INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS (cont.)

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

SATURDAY, JULY 26, 2014

14:00 – 16:15

Adrienne Salon

S22

Session

NEW DIRECTIONS IN CARDIOVASCULAR SURGERY

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

F.W. Sellke, Providence, RI, USA

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | CHARACTERIZATION OF READMISSIONS IN THE LVAD SUPPORTED HEART FAILURE POPULATION
A.A. Schmitt , S. Anders, S. Lewey, B. McLaughlin, J. Bjelkengren, S.A. Schaefer, D. Sato, N. Nair, D. Sandler, T.B. Icenogle
Providence Sacred Heart Medical Center, Spokane, WA, USA | 103 |
| 14:15 | CAN BLOOD TYPE O PATIENTS ON LVADS BE AT INCREASED RISK FOR GI BLEEDS?
N. Nair , A.A. Schmitt, S. Anders, S.A. Schaefer, J. Bjelkengren, S. Lewey, B. McLaughlin, D. Sato, D. Sandler, T.B. Icenogle
Providence Sacred Heart Medical Center, Spokane, WA, USA | 104 |
| 14:30 | PARADOXICAL ASSOCIATION OF SMOKING AND OUTCOMES AMONG HEART TRANSPLANT RECIPIENTS
M. Mujib , W.S. Aronow, G.M. Lanier, D. Kolte, S. Khera, C. Palaniswamy, P. Harikrishnan, T. Ahmed, D. Jain, S. Sule, G.C. Fonarow, A. Ahmed, W.H. Frishman, A.L. Gass, S.D. Prabhu, J.A. Panza
New York Medical College, Valhalla, NY, USA | 105 |
| 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 | 106 |
| 15:00 | QUALITY OF LIFE OUTCOMES IN ELDERLY PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY: WHAT IS THE EVIDENCE?
A. Saxena, N. Agostinho , L. Shan, T.D. Yan, M.P. Vallely, P.G. Bannon, A.E. Newcomb
Royal Prince Alfred Hospital, Sydney, NSW, Australia | 107 |
| 15:15 | RELATIONSHIP BETWEEN THE ANGIOGRAPHICALLY DERIVED SYNTAX SCORE AND OUTCOMES IN HIGH-RISK PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION
S.J. Brener , A.J. Prasad, R. Abdula, T.J. Sacchi
NY Methodist Hospital, Brooklyn, NY, USA | 108 |
| 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 | 109 |

SATURDAY, JULY 26, 2014

14:00 – 16:15

Adrienne Salon

S22 Session

NEW DIRECTIONS IN CARDIOVASCULAR SURGERY (cont.)

Abstract No.

- | | | |
|-------|--|------------|
| 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 | 110 |
| 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 | 111 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 26, 2014

16:45 – 19:00

Grand Ballroom

PL07 Plenary Session

GENETIC ASPECTS OF CARDIOVASCULAR DISEASE / STEM CELL AND GENE THERAPY

Chair: **K.N. Pandey**, New Orleans, LA, USA

Abstract No.

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

SATURDAY, JULY 26, 2014

16:45 – 19:00

Martha's Vineyard

PL08 Plenary Session

MECHANISMS OF ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE

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

S. Schaefer, Davis, CA, USA

Abstract No.

- | | | |
|-------|---|-----|
| 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 | 121 |
| 17:00 | HIGH SENSITIVITY CARDIAC TROPONIN – A CARDIOLOGIST'S FRIEND OR FOE? (Invited Lecture)
S. Schaefer , University of California, Davis, CA, USA | 122 |
| 17:15 | THE EVOLUTION OF ANTIPLATELET THERAPY FOR ACS – FROM BENCH TO BEDSIDE (Invited Lecture)
S.J. Brener , NY Methodist Hospital, NY, USA | 123 |
| 17:30 | INTRODUCTION OF A MOUSE MODEL THAT REFLECTS HUMAN ATHEROSCLEROTIC PLAQUE INSTABILITY AND RUPTURE: A UNIQUE TOOL FOR DISCOVERY OF STRATEGIES TOWARDS PLAQUE PACIFICATION AND ULTIMATELY PREVENTION OF MYOCARDIAL INFARCTION (Invited Lecture)
K. Peter , Baker IDI Heart and Diabetes Institute, Victoria, Australia | 124 |
| 17:45 | IMPAIRED ENDOGENOUS THROMBOLYSIS- A NOVEL, POINT-OF-CARE BIOMARKER PREDICTIVE OF ADVERSE CARDIOVASCULAR EVENTS (Invited Lecture)
D.A. Gorog , Imperial College, London, UK | 125 |
| 18:00 | TRIGGERS OF ACUTE CARDIOVASCULAR EVENTS: CLINICAL IMPLICATIONS (Invited Lecture)
M. Madjid , Texas Heart Institute, Houston, TX, USA | 126 |
| 18:15 | INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING OF INFLAMED PLAQUES (Invited Lecture)
E.A. Osborn , Massachusetts General Hospital, Boston, MA, USA | 127 |
| 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 | 128 |
| 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 | 129 |

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

S23

Session

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

Abstract No.

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

S24 Session

SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL

Chairs: **K. Prasad**, Saskatoon, SK, Canada

Y. Charuzi, Los Angeles, CA, USA

Abstract No.

- | | | |
|-------|---|-----|
| 16:45 | <p>HYPERTENSION WAS NOT A PREDICTOR OF CLINICAL EVENTS AT ONE-YEAR IN PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION WHO UNDERWENT PRIMARY CORONARY INTERVENTION
 K.S. Cha, J.S. Park, J. Ahn, J.H. Kim, H.W. Lee, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong
 Pusan National University Hospital, Busan, South Korea</p> | 142 |
| 17:00 | <p>ASLEEP BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF CARDIOVASCULAR EVENTS: THE HYGIA PROJECT
 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</p> | 143 |
| 17:15 | <p>UNCONTROLLED HYPERTENSION IN UGANDA: A COMPARATIVE CROSS SECTIONAL STUDY
 G. Musunguzi, J.P. Vangeertruyden, H. Bastiaens, F. Nuwaha
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| 17:30 | <p>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</p> | 145 |
| 17:45 | <p>GASTRIN AND D1 DOPAMINE RECEPTOR INTERACT TO INDUCE NATRIURESIS AND DIURESIS
 Y. Chen, L.D. Asico, S. Zheng, V.A. Villar, D.F. He, L. Zhou, C.Y. Zeng, P.A. Jose
 Daping Hospital, The Third Military Medical University, Chongqing, P.R. China</p> | 146 |
| 18:00 | <p>COMPARISON OF ILOPROST AND NITRIC OXIDE FOR TREATMENT OF PULMONARY HYPERTENSION IN THE SETTING OF CARDIOVASCULAR SURGERY-A META-ANALYSIS
 J.M. Martinez, P. Vijayvargiya, L. Tamariz, S. Chaparro
 University of Miami Miller School of Medicine Regional Campus, Atlantis, FL, USA</p> | 147 |
| 18:15 | <p>SLEEP-TIME, NOT AWAKE BLOOD PRESSURE, DETERMINES THE TRUE PROGNOSTIC VALUE OF MASKED HYPERTENSION
 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</p> | 148 |

SATURDAY, JULY 26, 2014

16:45 – 19:30

Adrienne Salon

S24 Session

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

Abstract No.

- | | | |
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| 18:30 | <p>DECODING WHITE COAT HYPERTENSION</p> <p>D.A. Bloomfield</p> <p>Richmond University Medical Center, Staten Island, NY, USA</p> | 149 |
| 18:45 | <p>ANTIHYPERTENSIVE EFFICACY OF CHLORTHALIDONE- VERSUS HYDROCHLOROTHIAZIDE- ANGIOTENSIN RECEPTOR BLOCKER COMBINATION THERAPY: A META-ANALYSIS OF RANDOMIZED TRIALS</p> <p>M.N. Miller, E Mora-Garzon, R Chait, L Tamariz</p> <p>University of Miami Palm Beach Regional Campus, Atlantis, FL, USA</p> | 150 |
| 19:00 | <p>INFLUENCE OF LONG TERM THERAPY WITH VALSARTAN, EPROSARTAN OR LOSARTAN ON DIASTOLIC DYSFUNCTION AND NT-PROBNP LEVEL IN HYPERTENSIVES</p> <p>L.T. Popescu, N.C. Sapojnic, A.P. Caraush, O.S. Calenici</p> <p>Institute of Cardiology, Chisinau, Moldova</p> | 151 |
| 19:15 | <p>LEFT VENTRICULAR SYSTOLIC AND DIASTOLIC FUNCTION DURING PERMISSIVE HYPERTENSION IN ACUTE ISCHEMIC STROKE</p> <p>J.G. Lerios, M.J. Sta. Maria, A.B. Medrano, R.E. Ramboyong, I. Bundalian</p> <p>The Medical City, Pasig City, Philippines</p> | 152 |

P201 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES

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Y. Nawaz, B. Ayub
 Lehigh Valley Health Network, Allentown, PA, USA

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 University of Texas Medical Branch, Galveston, TX, USA

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 M. Alghrouz, S. Shawar, O. Alasad, A. Tayyem, **M. Bheemarasetti**, A.R. Alemam, S. Gilani, W. Khalife
 University of Texas Medical Branch, Galveston, TX, USA

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 M. Hashemian, **N. Asadinia**, M. Nourizadeh, A. Jamaati, M. Ghahremani, Z. Ahmadi, A.R. Asareh
 Maseeh Daneshvari Hospital, Shaheedbeheshti University, Tehran, Iran

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P202 CAD: SECONDARY PREVENTION, CARDIAC REHAB, PROGNOSIS

- 5

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 University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain

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A.L. Arrebola-Moreno, D. Petrova, R. Garcia-Retamero, A. Melgares-Moreno, J.A. Ramirez-Hernandez, A. Catena
 Virgen de las Nieves University Hospital, Granada, Spain

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Poster Hall

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

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J.H. Park, S.H. Bae
 Ajou University, Suwon, Gyeonggi, South Korea

8 EARLIER MYOCARDIAL INFARCTION AS AN EXPLANATION OF THE SMOKER PARADOX: A QUANTITATIVE APPROACH **160**
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 Virgen de las Nieves University Hospital, Granada, Spain

9 TRANSITIONAL NURSING CARE PROGRAM FOR PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION **161**
S.H. Bae, J.H. Park
 College of Medicine, Dong-A University, Busan, Republic of Korea

P203 EXERCISE AND THE CARDIOVASCULAR SYSTEM

10 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 **162**
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

11 EXERCISE IMPROVES CARDIAC FUNCTION IN DIABETIC RATS **163**
 T.H. Ko, D.Y. Seo, S.R. Lee, N. Kim, **J. Han**
 Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea

12 THE EFFECTS OF PSYCHOLOGICAL STRESS IN BLOOD PRESSURE DURING EXERCISE TESTING **164**
V.C. Romero, E.R. Silva, J.J. Villasmil, G.A. Bermudez, F. Madueno
 Institutes of Cardiovascular Disease of Luz Maracaibo, Zulia, Venezuela

P204 DIAGNOSTIC ELECTROPHYSIOLOGY AND ABLATION

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13	MODIFIED HATCH SCORE PREDICTS 6-MONTH RECURRENCE OF ATRIAL FIBRILLATION AFTER PULMONARY VEIN ISOLATION: DATA FROM THE UNIVERSITY OF MASSACHUSETTS ATRIAL FIBRILLATION REGISTRY A.Y. Shaikh, A. Maan, N. Esa, M. Kinno, K.C. Floyd, L.S. Rosenthal, C. Browning, D.D. McManus University of Massachusetts Medical School, Worcester, MA, USA	165
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	166
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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	168
17	EFFECT OF LEFT ATRIAL SIZE AND PRESSURE ON ABLATION TIME AND CLINICAL OUTCOMES WITH CRYOABLATION USING NEW GENERATION ARCTIC FRONT ADVANCE BALLOON IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION S. Banga, N. Chalfoun, A. Gauri, D. Elmouchi, M. Dahu, B. Finta Frederik Meijer Heart & Vascular Institute, Spectrum Health, Grand Rapids, MI, USA	169
18	FOOD IN THE BRAIN: A RARE COMPLICATION OF LEFT-ATRIAL ABLATION H. Keshmiri, J. Ziffra, K. Wells, M. Wichter University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA	170

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Poster Hall

P205 PACEMAKERS AND IMPLANTABLE CARDIAC ARRHYTHMIA DEVICES

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22	SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IMPLANTATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE A. Gupta , F. Subzposh, H. Saltzman, S.P. Kutalek Drexel University College of Medicine, Philadelphia, PA, USA	174
23	PERICARDITIS INDUCED HYPONATREMIA FOLLOWING PERMANENT PACEMAKER IMPLANTATION E. Rakhshan , K. Khalighi Easton Hospital, Drexel University College of Medicine, Easton, PA, USA	175
24	AN IMPLANTABLE CARDIAC DEVICE LEAD AND ANTIPHOSPHOLIPID SYNDROME CAUSING A RARE COMPLICATION - SUPERIOR VENA CAVA SYNDROME A. Kodali , K. Khalighi, O. Sharma Easton Hospital, Easton, PA, USA	176

SATURDAY, JULY 26, 2014

13:30 – 18:30

Poster Hall

P206 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE

Board No.		Abstract No.
25	OXIDATIVE AND HYPOXIC STRESS IN SUSTAINED INFLATION RESUSCITATION IN A SWINE MODEL OF NEONATAL HYPOXIA S. Cowan, G.M. Schmolzer , T.F. Lee, M. O'Reilly, J. Labossiere, D. Bigam, P.Y. Cheung University of Alberta, Edmonton, Alberta, Canada	177
26	CONGENITAL HEART DISEASE IN THE NEWBORNS OF IRANIAN DIABETIC MOTHERS Z. Khalili , M. Behjati Ardekani, A. Jariani Mardom Hospital, Tehran, Iran	178
27	OPTICAL COHERENCE TOMOGRAPHY IMAGING OF THE PATENT DUCTUS ARTERIOSUS: FIRST KNOWN USES IN CONGENITAL HEART DISEASE J.A. Hill , M. Costa, H. Bezerra, C. Snyder, T.G. Mahadevaiah, M.W. Jenkins Rainbow Babies & Children's Hospital, University Hospitals Case Medical Center Cleveland, OH, USA	179
28	HEART: HELPING EMERGING ADULTS WITH CONGENITAL HEART DISEASE RECONCILE TRANSITION A. Stefanescu , O. Hsin, H. Kamin, E. Oglesbee, J.D. Serfas, B. Masek, R. Liberthson, A. Bhatt Massachusetts General Hospital, Boston, MA, USA	180
29	TRANSCATHETER CLOSURE OF PATENT DUCTUS ARTERIOSUS IN CHILDREN WEIGHING LESS THAN 6 KG N. Llanos , E. Vallejo, A. Valencia Universidad Libre, Cali, Colombia	181
30	VECTORCARDIOGRAPHIC VERSUS 12-LEAD CHANGES IN KAWASAKI DISEASE D.L. Cortez , A.C. McCanta, P.N. Jones Children's Hospital of Colorado, Aurora, CO, USA	182

SATURDAY, JULY 26, 2014

13:30 – 18:30

Poster Hall

P207 MISCELLANEOUS

Board No.		Abstract No.
31	ACCURATE MURMUR RECOGNITION IN CARDIOLOGISTS – PREMATURE REQUIEM OR PHOENIX RISING? Y. Nawaz, M.W. Martinez, M.J. Barrett Lehigh Valley Health Network, Allentown, PA, USA	183
32	TRANSFUSIONS ASSOCIATED WITH LEFT HEART CATHETERIZATION IN PATIENTS WITH CIRRHOSIS AND THROMBOCYTOPENIA F. Shah, C.P. Mehta, D. Doukas, A. Darki Loyola University Medical Center, IL, USA	184
33	CARDIAC ABNORMALITIES IN PRE-HEMATOPOIETIC STEM CELL TRANSPLANTATION EVALUATION OF MULTIPLE MYELOMA N. Arat, S. Usalp, T. Ozcelik, S. Kahraman, S. Guvenc, M. Arat, C. Ciftci Istanbul Science University, Istanbul, Turkey	185
34	PROGRESSION OF CAROTID ARTERIOSCLEROSIS MAY NOT BE ASSOCIATED WITH CEREBRAL INFARCTION N. Tanji, T. Matsubara, J. Suzuki, E. Mori, T. Kon, T. Tabata, E. Matsubara, T. Tomaru Toho University Sakura Hospital, NTT East, Japan	186



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

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

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

**SCIENTIFIC
PROGRAM**
SUNDAY, July 27, 2014

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SUNDAY, JULY 27, 2014

08:30 – 11:15

Grand Ballroom

PL09 Plenary Session

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

Abstract No.

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

08:30	TEMPORAL VARIATION IN ACUTE AORTIC DISEASES: ONLY A RANDOM PHENOMENON? (Invited Lecture) R. Manfredini , University of Ferrara, Italy	187
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	188
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	189
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	190
09:30	CONTRADICTIONARY EFFECTS OF HYPERLIPIDEMIA AND DIABETES MELLITUS ON PROGRESSION OF ABDOMINAL AORTIC ANEURYSM: PATHOBIOLOGICAL MECHANISMS (Invited Lecture) S.D. Gertz , Y. Mintz, R. Beeri, C. Rubinstein, D. Gilon, L.Y. Gavish, Y. Berlatzky, L. Appelbaum, L. Gavish The Hebrew University of Jerusalem, Jerusalem, Israel	191
09:45	MOLECULAR DRIVERS OF VASCULAR REMODELING (Invited Lecture) Z. Galis , Division of Cardiovascular Sciences, NIH, Bethesda, MD, USA	192
10:00	POLYVASCULAR DISEASE: VASCULAR FUNCTION, IMAGING AND TREATMENT (Invited Lecture) T. Tomaru , T. Matsubara, E. Mastubara, Toho University Sakura Hospital, Japan	193
10:15	USE OF FRACTION FLOW RESERVE TO PREDICT CHANGES OVER TIME IN MANAGEMENT OF SUPERFICIAL FEMORAL ARTERY (Invited Lecture) A.S. Lotfi , S.K. Sivalingam, G.R. Giugliano, J. Ashraf, P. Visintainer Tufts University School of Medicine, Baystate Medical Center, Springfield, MA, USA	194
10:30	PERIPHERAL BLOOD- BUT NOT BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELL THERAPY LIMITS EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM DEVELOPMENT G. Franck , J. Dai, E. Allaire, M. Gervais CNRS EAC 7054, Paris-Est Creteil University, Creteil, France	195

SUNDAY, JULY 27, 2014

08:30 – 11:15

Grand Ballroom

PL09 Plenary Session

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

Abstract No.

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

SUNDAY, JULY 27, 2014

08:30 – 11:00

Martha's Vineyard

PL10 Plenary Session

CELLULAR AND MOLECULAR MECHANISMS OF CARDIOPROTECTION, CARDIAC REGENERATION AND REMODELING

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

Abstract No.

- | | | |
|-------|---|-----|
| 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 | 198 |
| 08:45 | INFLAMMATION INDUCED APOPTOSIS IN THE INJURED MYOCARDIUM (Invited Lecture)
D.K. Singla , University of Central Florida, Orlando, FL, USA | 199 |
| 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 | 200 |
| 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 | 201 |
| 09:30 | DIABETES AND FAILED REGENERATIVE STRATEGIES (Invited Lecture)
F.W. Sellke , Alpert Medical School of Brown University, Providence, RI, USA | 202 |
| 09:45 | THE EFFECT OF BENDAVIA ON ISCHEMIA/REPERFUSION INJURY, LEFT VENTRICULAR REMODELING AND DYSFUNCTION (Invited Lecture)
R.A. Kloner , W. Dai, S.L. Hale, J. Shi, D. Brown
Good Samaritan Hospital/USC, Los Angeles, CA, USA | 203 |
| 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 | 204 |
| 10:15 | ROLE OF microRNA IN CARDIOPROTECTION (Invited Lecture)
R.C. Kukreja , Virginia Commonwealth University, Richmond VA, USA | 205 |
| 10:30 | ROLE OF MINOCYCLINE IN MYOCARDIAL ISCHEMIA-REPERFUSION INJURY: AN OLD DRUG WITH NEW IMPLICATIONS (Invited Lecture)
T.M. Scarabelli , St John Hospital & Medical Center/Wayne State University SOM, USA | 206 |
| 10:45 | PROLYLHYDROXYLASES IN ISCHEMIC HEART DISEASE (Invited Lecture)
N. Maulik , University of Connecticut School of Medicine, Farmington, CT, USA | 207 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

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 | <p>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</p> | 208 |
| 08:45 | <p>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</p> | 209 |
| 09:00 | <p>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</p> | 210 |
| 09:15 | <p>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</p> | 211 |
| 09:30 | <p>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</p> | 212 |
| 09:45 | <p>A MULTIMODAL APPROACH TO IMAGE INFLAMMATORY LIPID-RICH
ATHEROMATA USING AN INTEGRATED HIGH-SPEED INTRAVASCULAR
OCT/NIRF CATHETER WITH A FDA-APPROVED INDOCYANINE GREEN
S.K. Lee, M.W. Lee, H.S. Cho, J.W. Song, H.S. Nam, D.J. Oh, K.S. Park, W.Y. Oh,
H.K. Yoo, J.W. Kim
Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea</p> | 213 |
| 10:00 | <p>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</p> | 214 |

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 | 215 |
| 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
T.L. Braber , A. Mosterd, N.H.J. Prakken, P.A.F.M. Doevendans, W.P.T.M. Mali, F.J.G. Backx, R. Rienks, H.M. Nathoe, D.E. Grobbee, B.K. Velthuis
University Medical Center Utrecht, Utrecht, The Netherlands | 216 |
| 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 | 217 |
| 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	Abstract No.
	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	218
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	219
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	220
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	221
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	222
09:45	INDUCTION OF AUTOLOGOUS BONE MARROW STEM CELLS BY LOW-LEVEL LASER THERAPY HAS BENEFICIAL EFFECTS ON THE INFARCTED PORCINE HEART FOLLOWING ACUTE MYOCARDIAL INFARCTION G.A. Elbaz-Greener , U. Oron, Z. Vered, A. Blatt Tel Aviv University, Tel Aviv, Israel	223
10:00	DESCRIPTION OF IN-HOSPITAL MANAGEMENT OF ACUTE CORONARY SYNDROME IN VENEZUELA AND LATIN AMERICA (EPICOR STUDY) K. Arai , N. Antepara, C. Delgado, M.L. Fariña, R. Uzcátegui, S. Beluche Ascardio, Barquisimeto, Venezuela	224

SUNDAY, JULY 27, 2014

08:30 – 11:00

Adrienne Salon

S26	Session	
	ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT (cont.)	
		Abstract No.
	10:15	INFLUENCE OF METEOROLOGICAL FACTORS ON IN-HOSPITAL MORTALITY IN PATIENTS ADMITTED WITH ST-ELEVATION MYOCARDIAL INFARCTION IN NORTHEASTERN PENNSYLVANIA I. Ahmed, S.J. Voyce , I. Pallekonda, J. Snedeker The Wright Center of Graduate Medical Education, Scranton, PA, USA
		225
	10:30	BLOOD TRANSFUSION IN PATIENTS WITH BLEEDING DURING ACUTE ST-ELEVATION MYOCARDIAL INFARCTION ASSOCIATED WITH HIGHER IN-HOSPITAL MORTALITY D.A. Munawar , W. Aditya, M. Munawar Binawaluya Cardiac Center, Jakarta, Indonesia
		226
	10:45	THE EFFECT OF SHORTENING FMC-DEVICE TIME (<90 MINUTES) IN ST-ELEVATION MYOCARDIAL INFARCTION (STEMI) PATIENTS TRANSFERED FROM NON-PCI CAPABLE HOSPITALS FOR PRIMARY PCI Y. Nawaz , A. Qureshi, N. Subrayappa, N. Patel Lehigh Valley Health Network, Allentown, PA, USA
		227
	11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION

SUNDAY, JULY 27, 2014

11:15 – 13:45

Grand Ballroom

PL11 Plenary Session

VALVULAR / CONGENITAL HEART DISEASE, CARDIAC SURGERY

Chairs: **J.S. Borer**, New York, NY, USA
N.M. Rajamannan, Chicago, IL, 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 , Mc Gill University Health Centre, Montreal, QC, Canada | 228 |
| 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 | 229 |
| 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 | 230 |
| 12:00 | AORTIC REGURGITATION: IMPACT OF PREOPERATIVE SYMPTOMS FOR POST-VALVE REPLACEMENT SURVIVAL ON PROGNOSTICATION FROM MYOCARDIAL CONTRACTILITY (Invited Lecture)
J.S. Borer , P.G. Supino, E.M. Herrold, C. Hochreiter, O.W. Isom, K.H. Krieger, L.N. Girardi, N. Khan, D. Santarsieri
State University of New York Downstate Medical Center, New York, NY, USA | 231 |
| 12:15 | LOW GRADIENT SEVERE AORTIC STENOSIS: DIAGNOSIS AND MANAGEMENT (Invited Lecture)
H.P. Chaliki , Mayo Clinic, Arizona, USA | 232 |
| 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) | 233 |
| 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 | 234 |
| 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 | 235 |
| 13:15 | MECHANISMS OF HYPERTROPHY IN VALVULAR HEART DISEASE
N.T. Olsen , Rigshospitalet, Copenhagen, Denmark (Invited Lecture) | 236 |
| 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 | 237 |
| 13:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

PL12 Plenary Session

ATRIAL ARRHYTHMIAS: TREATMENT AND SEQUELAE

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

A. Martinez-Rubio, Sabadell, Spain

Abstract No.

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

S27 Session

ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS

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

Abstract No.

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|-------|--|-----|
| 11:15 | RESIDUAL RISK FROM ELEVATED LIPOPROTEIN A BUT NOT APOLIPOPROTEIN B OR NON-HDL CHOLESTEROL AT HEART CENTERS FOR WOMEN
B.T. Costello , K. Lara, G. Lundberg, R. Doukky, L. Braun, A. Volgman
Rush University Medical Center, Chicago, IL, USA | 247 |
| 11:30 | IMPACT OF CLINICAL AND THERAPEUTIC FACTORS ON INCIDENT CARDIO-CEREBROVASCULAR EVENTS IN A POPULATION-BASED COHORT OF HIV-INFECTED AND NON-HIV-INFECTED ADULTS
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 | 248 |
| 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 | 249 |
| 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 | 250 |
| 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 | 251 |
| 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 | 252 |
| 12:45 | OMENTIN SIGNIFICANTLY PREDICTS CARDIOVASCULAR EVENTS INDEPENDENTLY FROM BASELINE CORONARY ARTERY DISEASE
C.H. Saely , A. Leihner, A. Muendlein, A. Vonbank, P. Rein, K. Geiger, H. Drexel
Academic Teaching Hospital Feldkirch, Feldkirch, Austria | 253 |
| 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 | 254 |

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
S.K. Padala , M.T. Torosoff, M.S. Sidhu, E. Granina, A.E. Seedhom, W.E. Boden
Albany Medical Center, Albany, NY, USA | 256 |
| 13:30 | THE EFFECT OF SIROLIMUS ON CHOLESTEROL CRYSTAL VOLUME EXPANSION: IMPLICATIONS FOR PLAQUE STABILIZATION
I. Baig , A. Janoudi, R. Huang, G.S. Abela
Michigan State University, East Lansing, MI, USA | 257 |
| 13:45 | HIGHER HEART RATE IS INDEPENDENTLY ASSOCIATED WITH OBESITY
M.R. Movahed , C. Manrique, M. Hashemzadeh
CareMore Health Care Arizona, AZ, USA | 258 |
| 14:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

S28

Session

MECHANISMS OF VASCULAR DISEASES

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

Z.S. Galis, Bethesda, MD, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:15 | <p>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</p> <p>R. Hutter, W. Speidl, L. Huang, C. Gianarelli, J.J.J. Badimon, P. Klotman
Mount Sinai School of Medicine, New York, NY, USA</p> | 259 |
| 11:30 | <p>MICRORNA-146A INDUCES ENDOTHELIAL PROGENITOR CELL APOPTOSIS AND SENESENCE BY TARGETING PLK2 EXPRESSION</p> <p>S. Zhu, S. Deng, C. Jia, D. Zhuo, Q. Ma, S. Ji, H. Wang, P.J. Goldschmidt-Clermont, S. Ma, C. Dong
University of Miami, Miami, FL, USA</p> | 260 |
| 11:45 | <p>CD137 SIGNALING INCLUDING FACTORS FROM T CELLS AND MACROPHAGES ACCELERATE UNSTABLE ATHEROSCLEROTIC PLAQUE</p> <p>I.H. Jung, J. Jin, D.Y. Kim, G.T. Oh
Ewha Womans University, Seoul, Korea</p> | 261 |
| 12:00 | <p>MODULATION OF CYSTEINE-RICH PROTEIN 2 EXPRESSION IN VASCULAR INJURY AND ATHEROSCLEROSIS</p> <p>C.H. Chen, H.H. Ho, M.L. Wu, M.D. Layne, S.F. Yet
National Health Research Institutes, Zhunan, Miaoli County, Taiwan</p> | 262 |
| 12:15 | <p>LINC RNA-P21 REGULATES NEOINTIMA FORMATION AND ATHEROSCLEROSIS BY ENHANCING P53 ACTIVITY</p> <p>G.Z. Wu, Y. Han, C.Y. Chen, Z.P. Huang, J.H. Chen, X.Y. Hu, D.Z. Wang, C.Y. Zeng
Daping Hospital, Third Military Medical University, Chongqing, China</p> | 263 |
| 12:30 | <p>PRO-ATHEROGENIC ACTIONS OF INTERFERON-GAMMA ON MACROPHAGES IN ATHEROSCLEROSIS</p> <p>T.S. Davies, N. Li, J.E. McLaren, T.R. Hughes, D.P. Ramji
School of Biosciences, Cardiff University, Cardiff, UK</p> | 264 |
| 12:45 | <p>HISTOMORPHOMETRIC CHANGES IN THE AORTA OF MICE WITH CHRONIC CHAGAS DISEASE UNDERGOING MILD EXERCISE</p> <p>L. Brianezi, N.E.A. Lima, F.L.A. Fonseca, L.B.M. Maifrino
Adventist College Hortolandia, Hortolândia, SP, Brazil</p> | 265 |
| 13:00 | <p>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</p> <p>W.Y. Liang, X.Y. Zhu, X.R. Feng, Y.C. Wang, M.L. Liu
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| 13:15 | <p>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</p> | |

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B.H. Jeon, K. Irani, C.S. Kim
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 268
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Albany Medical College, Albany, NY, USA
- 3 ANTI-INFLAMMATORY EFFECT OF RESVERATROL IN HUMAN CORONARY ARTERIAL ENDOTHELIAL CELLS VIA AUTOPHAGY: IMPLICATION FOR THE TREATMENT OF KAWASAKI DISEASE 269
F.C. Huang, H.C. Kuo, H.R. Yu
Kaohsiung Chang Gung Memorial Hospital, Taiwan

P303 INTERVENTIONAL CARDIOLOGY

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Kanazawa Medical University, Uchinada, Japan
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- 6 DIFFERENT AND SAME PROGNOSTIC IMPLICATION OF LOW PREPROCEDURAL TIMI FLOW BETWEEN STEMI AND NON-STEMI IN THE PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION 272
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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 273
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A.R. Alemam, S. Gilani, W. Khalife
University of Texas Medical Branch, Galveston, TX, USA

P303 INTERVENTIONAL CARDIOLOGY (cont.)

Board No.		Abstract No.
8	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	274
9	DOES THE SEVERITY OF CORONARY ARTERY DISEASE PREDICT THE USE OF CONTRAST VOLUME DURING CARDIAC CATHETERIZATION? H.A. Bhatt, D.R. Sanghani, M.B. Perini, G.A. Fernaine, A.V. Saxena Lutheran Medical Center, Brooklyn, NY, USA	275
10	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	276
11	CALCIFIED LESION DOES NOT INFLUENCE OUTCOME AFTER PERCUTANEOUS ANGIOPLASTY WITH STENTING T. Matsubara, J. Suzuki, T. Kon, T. Kurosu, E. Matsubara, T. Tomaru NTT East Japan Kanto Hospital, Tokyo, Japan	277
12	THE COMPLEX CORONARY ANGIOPLASTY TRANSRADIAL J.M. Telayna, C.S. Garcia, R.A. Costantini Austral University Hospital, Buenos Aires, Argentina	278
13	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	279
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SUNDAY, JULY 27, 2014

08:00 – 13:00

Poster Hall

P304 HYPERTENSION: BASIC, CLINICAL AND EPIDEMIOLOGICAL

Board No.

Abstract No.

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| 15 | <p>AUTOMATED PRECLINICAL ENCOUNTER BLOOD PRESSURES VERSUS MANUAL PHYSICIAN BLOOD PRESSURES IN CARDIOVASCULAR CLINIC</p> <p>K. Slicker, B.D. Curtis, O. Oyetayo, J.P. Erwin III</p> <p>Scott & White Healthcare Texas A&M Health Science Center, Temple, TX, USA</p> | 281 |
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| 17 | <p>ANTIHYPERTENSIVE AGENTS AND RISK OF PARKINSON'S DISEASE</p> <p>J.W. Lin, C.H. Lin, C.H. Chang, Y.C. Lee, R.M. Wu, M.S. Lai</p> <p>National Taiwan University Hospital Yun-Lin Branch, Dou-Liou City, Yun-Lin County, Taiwan</p> | 283 |
| 18 | <p>BLUNTED SLEEP-TIME BLOOD PRESSURE (BP) DECLINE INCREASES CARDIOVASCULAR RISK INDEPENDENT OF BP LEVEL</p> <p>D.E. Ayala, J.J. Crespo, A. Moya, A. Otero, M. Dominguez, L. Pousa, P.A. Callejas, E. Sineiro, A. Mojon, R.C. Hermida</p> <p>University of Vigo, Vigo, Spain</p> | 284 |
| 19 | <p>NIGHTTIME PRESSURE DIP IN WHITE COAT HYPERTENSION</p> <p>L. Yogendran, A. Abdelqader, M. Mohamed, T. Schuler, D. Bloomfield</p> <p>Richmond University Medical Center, Staten Island, NY, USA</p> | 285 |

P305 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT

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| 20 | <p>EFFECT OF CPAP THERAPY ON CARDIAC REPOLARIZATION IN PATIENT POPULATION WITH OBSTRUCTIVE SLEEP APNEA</p> <p>T.A. Ahmad, A. Patel, U. Majumdar, V. Narasimha</p> <p>Penn State Milton Hershey Medical Center, Hershey, PA, USA</p> | 286 |
| 21 | <p>OPTIMAL DURATION OF HOLTER RECORDINGS: IS THERE ADDITIONAL YIELD FROM 48 VERSUS 24 HOURS?</p> <p>A. Trang, B. Pavri</p> <p>Thomas Jefferson University, Philadelphia, PA, USA</p> | 287 |
| 22 | <p>ACCURACY OF TACHYARRHYTHMIA DIAGNOSIS ON SURFACE ELECTROCARDIOGRAMS (ECG)</p> <p>N. Methachittiphan, F. Barbosa, M. Link</p> <p>Tufts Medical Center, Boston, MA, USA</p> | 288 |

P305 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT (cont.)

Board No.

Abstract No.

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| 23 | <p>INFLAMMATORY MARKERS IN PATIENTS WITH IMPAIRED LEFT VENTRICULAR FUNCTION WITH AND WITHOUT ISCHEMIC HEART DISEASE UNDERGOING CARDIOVERTER DEFIBRILLATOR IMPLANTATION FOR LIFE THREATENING VENTRICULAR ARRHYTHMIAS</p> <p>T. Papadopoulos, G. Dadous, A. Nikitopoulos, G. Spiromitros, A. Antoniou, N. Katsiki, J. Kanonidis</p> <p>Hippokration University Hospital, Thessaloniki, Greece</p> | 289 |
| 24 | <p>DEADLY GOLYTELY</p> <p>P.A. Patel, C.E. Daniels</p> <p>Mayo Clinic, Rochester, MN, USA</p> | 290 |

P306 NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE

- | | | |
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| 25 | <p>CARDIOPROTECTIVE EFFECT OF METFORMINE IN DIABETIC PATIENTS TREATED WITH ANTHRACYCLINES</p> <p>F. Garcia Trobo, G. Pekler, F. Visco</p> <p>New York Medical College, New York, NY, USA</p> | 291 |
| 26 | <p>IMPROVING CLINICAL OUTCOMES AND RECOVERY OF PERIPARTUM CARDIOMYOPATHY PATIENTS USING BROMOCRIPTINE: A SYSTEMATIC REVIEW</p> <p>M.A. De Guzman, L.D. Gutierrez</p> <p>University of Santo Tomas Hospital, Manila, Philippines</p> | 292 |
| 27 | <p>CARVEDILOL AS SINGLE AGENT TREATMENT FOR TRASTUZUMAB CARDIOTOXICITY USING GLOBAL LONGITUDINAL PEAK STRAIN CHANGES</p> <p>A.M. Cook, K.J. Babbitt, L.L. Eberhart, R.C. Phillion, D.E. Langholz, H.L. Sherman</p> <p>Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA</p> | 293 |

P307 COMPUTERS IN CARDIOLOGY

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

14:00 – 16:30

Grand Ballroom

PL13 Plenary Session

CARDIAC STRUCTURE AND FUNCTION IN FAILING AND NON-FAILING HEARTS

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

B.I. Jugdutt, Edmonton, AB, Canada

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | ADVERSE LEFT VENTRICULAR REMODELING, INCIDENT HEART FAILURE, AND VENTRICULAR ARRHYTHMIAS (Invited Lecture)
W.H. Gaasch , Lahey Clinic, Burlington, MA, USA | 295 |
| 14:15 | AGING AND HEART FAILURE: UPDATE 2014 (Invited Lecture)
B.I. Jugdutt , University of Alberta and Hospitals, Edmonton, AB, Canada | 296 |
| 14:30 | HFpEF (HEART FAILURE WITH PRESERVED EJECTION FRACTION) PATHOPHYSIOLOGY: IMPLICATIONS FOR THERAPEUTIC TARGETS (Invited Lecture)
D.M. Kaye , Baker IDI Heart and Diabetes Institute, Alfred Hospital, Melbourne, Australia | 297 |
| 14:45 | REGRESSION OF HYPERTROPHY (AND FIBROSIS?) IN HYPERTROPHIC CARDIOMYOPATHY (Invited Lecture)
Y.J. Shimada, J.J. Passeri, A.L. Baggish, C. O'Callaghan, P.A. Lowry, B.B. Ghoshhajra, C.Y. Ho, J.L. Januzzi, C.E. Seidman, M.A. Fifer
Massachusetts General Hospital, Boston, MA, USA | 298 |
| 15:00 | HEART FAILURE WITH PRESERVED EJECTION FRACTION: A MISUNDERSTOOD SYNDROME IN SEARCH OF A THERAPY (Invited Lecture)
S.D. Solomon , Brigham and Women's Hospital, Boston, MA, USA | 299 |
| 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 | 300 |
| 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 | 301 |
| 15:45 | DYNAMIC LVOT OBSTRUCTION -BEYOND HCM (Invited Lecture)
A. Chockalingam , University of Missouri, Columbia, MO, USA | 302 |
| 16:00 | LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC TOTAL OCCULSION 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 | 303 |
| 16:15 | RIGHT VENTRICULAR FAILURE AFTER IMPLANTATION OF LEFT VENTRICULAR ASSIST DEVICES (Invited Lecture)
A. Kalogeropoulos , Emory University School of Medicine, Atlanta, GA, USA | 304 |
| 16:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SUNDAY, JULY 27, 2014

14:00 – 16:15

Martha's Vineyard

PL14 Plenary Session

NOVEL APPROACHES FOR VASCULAR THERAPIES

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

Abstract No.

- | | | |
|-------|---|-----|
| 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 | 305 |
| 14:15 | SERPINS AS THERAPY – FROM VIRUS TO MAN (Invited Lecture)
A. Lucas , University of Florida, Gainesville, FL, USA | 306 |
| 14:30 | VASCULAR HEALING & BIORESORBABLE SCAFFOLDS: FROM PLATELETS, LEUKOCYTES TO ENDOTHELIAL CELLS (Invited Lecture)
J-F. Tanguay , Université de Montréal, Canada | 307 |
| 14:45 | CARDIOVASCULAR RISK FACTORS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)
C. Chen , Q. Yao, Baylor College of Medicine, Houston, TX, USA | 308 |
| 15:00 | MANAGING ANGINA AND RISK VIA IMPROVED ENDOTHELIAL FUNCTION: THE EECF MODEL (Invited Lecture)
G.W. Barsness , Mayo Clinic, Rochester, MN, USA | 309 |
| 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 | 310 |
| 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 | 311 |
| 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 | 312 |
| 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 | 313 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

S29 Session

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

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

Abstract No.

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

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 **322**
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 **323**
D.B. Petrov, M.H. Milanova
Emergency Hospital Pirigov, Sofia, Bulgaria
- 16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

S30 Session

INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI

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

Abstract No.

- | | | |
|-------|---|-----|
| 14:00 | NEW ORAL ANTICOAGULANTS IN PATIENTS WITH CANCER: CURRENT STATE OF EVIDENCE
P. Sardar , S. Chatterjee, E. Herzog; G. Pekler, S. Mushiyeve; L.J. Pastori; F. Visco; W.S. Aronow
New York Medical College, Department of Medicine, New York, NY, USA | 324 |
| 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?
A. Lotfi , G. Alreja, M.A. Kashef, G.R. Giugliano, J. Garb, M. Schweiger
Baystate Medical Center/Tufts University School of Medicine, Springfield, MA, USA | 325 |
| 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 | 326 |
| 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.g Li, X. Zhao , L. Huang
Third Military Medical University, Chongqing, P.R. China | 327 |
| 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 | 328 |
| 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 | 329 |
| 15:30 | LONG-TERM OUTCOMES OF PERCUTANEOUS TREATMENT OF LEFT MAIN: DEDICATED STENT VERSUS USUAL TREATMENT WITH DES
F.J. Martinez-Garcia , L.A. Iñigo-Garcia, L. Fernandez-Lopez, O. Sanz-Vazquez, J.R. Siles-Rubio, A. Ramirez-Moreno, F. Ruiz-Mateas
Hospital Costa del Sol, Marbella, Spain | 330 |

SUNDAY, JULY 27, 2014

14:00 – 16:15

Adrienne Salon

S30 Session

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

Abstract No.

- 15:45 OUTCOMES OF PATIENTS TREATED WITH DRUG ELUTING STENTS WITH BIODEGRADABLE VERSUS BIOSTABLE POLYMER **331**
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Hospital Costa del Sol, Marbella, Malaga, Spain
- 16:00 INTER-PROVIDER VARIATION IN DIAGNOSES AND CARDIAC CATHETERIZATION USE **332**
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

- | | | |
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| 16:45 | 2014 UPDATE ON MANAGEMENT OF HYPERTENSION (Invited Lecture)
W.S. Aronow
Westchester Medical Center/New York Medical College, Valhalla, NY, USA | 333 |
| 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 | 334 |
| 17:15 | DUAL AT1 RECEPTOR/NEPRILYSIN INHIBITION ('ARNI') IN HYPERTENSION: AN IMPROVEMENT VERSUS AT1 RECEPTOR BLOCKADE? (Invited Lecture)
A.H.J. Danser , L.C.W. Roksnoer, W.W. Batenburg
Erasmus Medical Center, Rotterdam, The Netherlands | 335 |
| 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 | 336 |
| 17:45 | ANTIHYPERTENSIVE EFFECT OF FLAXSEED (Invited Lecture)
K. Prasad , University of Saskatchewan, Saskatoon, SK, Canada | 337 |
| 18:00 | NON PHARMACOLOGICAL AND CATHETER BASED THERAPY OF DIFFICULT TO TREAT (D2T) HYPERTENSION (Invited Lecture)
S.K. Koshiy , L.K. George, UT Health Sciences Center, Memphis, TN, USA | 338 |
| 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 | 339 |
| 18:30 | SLEEP-TIME BLOOD PRESSURE AS A THERAPEUTIC TARGET FOR CARDIOVASCULAR RISK REDUCTION (Invited Lecture)
R.C. Hermida , D.E. Ayala, A. Mojon, J.R. Fernandez
Campus Universitario, Vigo, Pontevedra, Spain | 340 |
| 18:45 | PREVALENCE AND CLINICAL IMPLICATIONS OF SLEEP-TIME HYPERTENSION (Invited Lecture)
D.E. Ayala , R.C. Hermida
Campus Universitario, Vigo, Pontevedra, Spain | 341 |

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

Abstract No.

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| 16:45 | PERICUTANEOUS HEMODYNAMIC SUPPORT FOR HIGH RISK PCI: INDICATIONS AND RESULTS (Invited Lecture)
G.W. Vetrovec , VCU Medical Center Richmond, VA, USA | 342 |
| 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 | 343 |
| 17:15 | PCI VERSUS CABG IN MULTIPLE VESSEL CAD (Invited Lecture)
A. Kumar , Govt Medical College/GND Hospital, Amritsar, India | 344 |
| 17:30 | UPDATE ON CORONARY BIFURCATION CLASSIFICATION AND TECHNIQUES (Invited Lecture)
M.R. Movahed , The Southern Arizona VA Health Care System, Tucson, AZ, USA | 345 |
| 17:45 | MANAGEMENT STRATEGIES OF COMBINED SEVERE SYMPTOMATIC CAROTID & CORONARY ARTERY DISEASE (Invited Lecture)
M.S. Abu-Fadel , University of Oklahoma HSC, Oklahoma City, OK, USA | 346 |
| 18:00 | BIOMARKERS IN CARDIAC ALLOGRAFT VASCULOPATHY (Invited Lecture)
N. Nair , Sacred Heart Medical Center, Spokane, WA, USA | 347 |
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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 | 349 |
| 18:45 | DECREASED INCIDENCE OF ATRIAL FIBRILLATION FOLLOWING OPEN HEART SURGERY USING MODIFIED DEL NIDO CARDIOPLEGIA
D. Loberman , R.C. Neely, D. Fitzgerald, S. McGurk, T.K. Rajab, I. Gosev, A. Grewal, L.H. Cohn, M. Leacche, S.F. Aranki
Brigham and Women's Hospital, Boston, MA, USA | 350 |
| 19:00 | CHRONIC OBSTRUCTIVE PULMONARY DISEASE IS ASSOCIATED WITH WORSE SURVIVAL IN PATIENTS RECEIVING HEART TRANSPLANT: ANALYSIS FROM UNOS REGISTRY
S.G. Al-Kindi , M.Y. Qattan, M. Ginwalla, C. ElAmm, G.H. Oliveira
University Hospitals Case Medical Center, Cleveland, OH, USA | 351 |

S31 Session

ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION

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

F. Violi, Roma, Italy

Abstract No.

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|-------|--|-----|
| 16:45 | ASSOCIATION OF VITAMIN D DEFICIENCY WITH ATRIAL FIBRILLATION
F. Shah, A. Mohamed, D. Doukas , G. Cotseones, K. Machnica, M.G. Rabbat
Loyola University Medical Center, Maywood, IL, USA | 352 |
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C. Sardu , G. Paolisso, R. Marfella
Second University of Naples, Naples, Italy | 353 |
| 17:15 | ADENOSINE A2A RECEPTORS FUNCTION IN VASOVAGAL SYNCOPE
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 | 354 |
| 17:30 | PREGNANCY IS ASSOCIATED WITH AN INCREASED DENSITY OF THE PACEMAKER CURRENT I-F IN MURINE SINOATRIAL NODE
N. El Khoury, S. Mathieu, L. Marger, J. Ross, G. El Gebeily, N. Ethier, C. Fiset
Université de Montréal, Montreal, Quebec, Canada | 355 |
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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 | 356 |
| 18:00 | PULMONARY VEIN ANTIM 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
C. Lu , Y. Zhang, R. Zhang, Q. Xu, Y. Huang, M. Liu
PLA General Hospital, Beijing, China | 357 |
| 18:15 | SCREENING FOR ATRIAL FIBRILLATION USING A BLOOD PRESSURE MONITOR: OMRON VS MICROLIFE
J. Wiesel , B.Z. Arbesfeld, D. Schechter
NYU Langone Medical Center, New York, NY, USA | 358 |
| 18:30 | IMPACT OF CATHETER ABLATION ON P-WAVE PARAMETERS ON 12-LEAD ELECTROCARDIOGRAM IN PATIENTS WITH ATRIAL FIBRILLATION
A. Maan , M. Mansour, J.N. Ruskin, E.K. Heist
Massachusetts General Hospital, Boston, MA, USA | 359 |

SUNDAY, JULY 27, 2014

16:45 – 19:45

Nantucket

S31 Session

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

Abstract No.

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

S32 Session

MOLECULAR / CELLULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE

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

Abstract No.

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| 16:45 | <p>IVABRADINE INHIBITS APOPTOSIS AND NECROSIS IN PRIMARY AND CULTURED CARDIAC MYOCYTES EXPOSED TO HYPOXIA REOXYGENATION INSULT THROUGH ITS HCN CHANNEL BLOCKING ACTIVITY
 P.K. Witting, A.C. McMahon, H-B Kim, A-M Maw, S.B. Freedman
 The University of Sydney, Sydney, NSW, Australia</p> | 364 |
| 17:00 | <p>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</p> | 365 |
| 17:15 | <p>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
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 Tzu Chi General Hospital, Hualien, Taiwan</p> | 370 |
| 18:30 | <p>OPTICAL MOLECULAR IMAGING OF ATHEROMA INFLAMMATION IN MURINE CAROTID PLAQUES WITH A NOVEL, MANNOSE RECEPTOR TARGETING NEAR-INFRARED FLUORESCENCE PROBE
 J.B. Kim, K.S. Park, J.H. Ryu, J.W. Song, O.K. Park, D.J. Oh, D.G. Gweon, H.K. Yoo, J.W. Kim
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P401 GENETICS OF HEART DISEASE

Board No.

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- 1 MYOCARDITIS IS A MARKER OF ACTIVE DISEASE IN
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CLINICAL FEATURES AND OUTCOMES
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I. Gomez-Milanes, M.C. Olmo, M.J. Oliva-Sandoval, M. Valdes, J.R. Gimeno
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- 2 CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL
PRESCRIPTION IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY
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Easton Hospital, Drexel University, Easton, PA, USA

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- 3 GENETIC INFORMATION-GUIDED THROMBOEMBOLISM PRECAUTION
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P402 CARDIOVASCULAR IMAGING: NUCLEAR CARDIOLOGY, CARDIAC CT AND MRI

- 4 DISTRIBUTION OF CORONARY CALCIFICATIONS IN PATIENTS WITH
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- 5 EPICARDIAL ADIPOSE TISSUE THICKNESS UNDERESTIMATE TOTAL
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Board No.

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 Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia

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28	COMPLIANCE AND UTILIZATION OF REMOTE HOME MONITORING FOR FIRST TRANSMISSION IN PATIENTS GIVEN MONITORS AT TIME OF CARDIAC DEVICE IMPLANTATION S. Banga, N. Chalfoun, S. VanBeek, B. Finta, M. Dahu, D. Elmouchi, A. Woelfel, A. Davis, A. Gauri GRMEP, Grand Rapids, Michigan, USA	511
29	SAFETY AND CLINICAL OUTCOMES OF SAME DAY DISCHARGE IN PATIENTS UNDERGOING ELECTIVE CARDIAC DEVICE IMPLANTATION S. Banga, N. Chalfoun, D. Elmouchi, B. Finta, A. Woelfel, M. Dahu, A. Gauri GRMEP, Grand Rapids, Michigan, USA	512
30	PROVIDING EQUITY IN CARE DELIVERY BY RACE, ETHNICITY AND LANGUAGE: TEXAS HEALTH RESOURCES' INITIAL REVIEW J. Cheirif, A. Gracia, J. Veliz, L. Gerbig, M. Kini, M. Daja, T. Keller, M. Restrepo, M. Reyna, M. Vecchio T. Ngueyn, D. Varga Texas Health Resources, Arlington, TX, USA	399
31	THE COST AND BENEFITS OF HELICOPTER EMERGENCY MEDICAL SERVICES INSTEAD OF THE GROUND UNIT IN CHEST TRAUMATIC PATIENTS: A COST-EFFECTIVENESS ANALYSIS A. Shamsakhtari, N. Saadatjafari, H. Kariman, M. Nourizadeh, N. Asadinia Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran	400
32	SERIAL ECHOCARDIOGRAPHY FOR EARLY DIAGNOSIS OF CARDIOTOXICITY IN BREAST CANCER PATIENTS TREATED WITH TRASTUZUMAB F. Shah, D. Silverman, P. Doloto, K.C. Micetich, J.T. Barron Loyola University Medical Center, Maywood, IL, USA	401
33	PREDICTORS OF MORTALITY IN HOSPITALIZED PATIENTS WITH HYPERKALEMIA J.B. Khanagavi, P.M. Phatak, T. Gupta, W.S. Aronow, J. Garg, S. Sule New York Medical College, Valhalla, NY, USA	402
34	A SINGLE-CENTER RETROSPECTIVE COMPARISON OF STRESS ECHOCARDIOGRAPHY UTILIZATION BETWEEN FAMILY MEDICINE PHYSICIANS AND INTERNISTS A. Chaudhry, G.A. Baquero, W.R. Davidson, A.J. Foy Penn State Hershey Medical Center, Hershey, PA, USA	403



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

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

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

**SCIENTIFIC
PROGRAM**

Monday, July 28, 2014

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MONDAY, JULY 28, 2014

08:30 – 11:00

Martha's Vineyard

PL17 Plenary Session

DIET, LIFESTYLE AND CVD PREVENTION – NEW ORIGINS

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

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

Abstract No.

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

MONDAY, JULY 28, 2014

08:30 – 10:45

Nantucket

PL18 Plenary Session

ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE

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

V.H. Pitzalis, Greenville, NC, USA

Abstract No.

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

S33 Session

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

Chair: **J.N. Bella**, Bronx, NY, USA

Abstract No.

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| 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 | 423 |
| 08:45 | A MICRO-RNA-410 REGULATED LIPOPROTEIN LIPASE POLYMORPHISM IS ASSOCIATED WITH TRIGLYCERIDES AND STROKE INCIDENCE
D. Corella , O. Coltell, J.V. Sorli, R. Estruch, M. Fito, F. Aros, E. Ros, J. Lapetra, G.T. Saez, J.M. Ordovas
Instituto de Salud Carlos III, Madrid, Spain | 424 |
| 09:00 | ATF3 PROTECT AGAINST PRESSURE OVERLOAD HEART FAILURE VIA BECLIN-1 PATHWAY
C.F. Cheng , S.F. Li, H. Lin, Tzu Chi General Hospital, Hualien, Taiwan | 425 |
| 09:15 | RAPID UP-REGULATION AND CLEARANCE OF DISTINCT CIRCULATING MICRORNAS AFTER PROLONGED AEROBIC EXERCISE
A.L. Baggish, J. Park , P-K.Min, S. Isaacs, B.A. Parker, P.D. Thompson, C. Troyanos, P. D'Hemecourt, S. Dyer, M. Thiel, A. Hale, S.Y. Chan
Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA | 426 |
| 09:30 | RANOLAZINE PREVENTS TRASTUZUMAB-CARDIOTOXICITY IN EXPERIMENTAL MODELS
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 | 427 |
| 09:45 | VARIATION IN THE MINICHROMOSOME MAINTENANCE COMPLEX COMPONENT 6 GENE, DAIRY INTAKE AND CARDIOVASCULAR RISK
O. Coltell , C. Ortega-Azorin, M.A. Martinez-Gonzalez, J. Salas-Salvado, L. Serra-Majem, E. Gomez-Gracia, V. Ruiz-Gutierrez, M. Fiol, X. Pinto, D. Corella
Instituto de Salud Carlos III, Madrid, Spain | 428 |
| 10:00 | GENE ELECTRO TRANSFER OF PVEGF INDUCES ANGIOGENESIS AND IMPROVES CARDIAC FUNCTION IN A PORCINE ISCHEMIA MODEL
B. Hargrave , R. Strange, Jr., C. Lundberg, N. Burcus, A. Bulysheva, R. Heller
Old Dominion University, Norfolk, VA, USA | 429 |
| 10:15 | THE FAMILY HISTORY AND GENETIC RISK DISCONNECT IN WOMEN
B.T. Costello , R. Doukky, G.P. Lundberg, L.T. Braun, A.S. Volgman
Rush University Medical Center, Chicago, Illinois, USA | 430 |
| 10:30 | REPETITIVE APPLICATION OF RESTRICTION OF MUSCLE BLOOD FLOW ENHANCES MTOR SIGNALING PATHWAYS IN A RAT MODEL
T. Nakajima , T. Yasuda, S. Koide, Y. Sato, T. Tomaru, Y. Kano
University of Electro-Communications, Tokyo, Japan | 431 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

PL19 Plenary Session

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

Chairs: **J.M. Gardin**, Hackensack, NJ, USA
U. Thadani, Oklahoma City, OK, USA

Abstract No.

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|-------|---|-----|
| 11:15 | OLD AND EMERGING OPTIONS FOR TREATMENT OF REFRACTORY ANGINA: A CRITICAL APPRAISAL (Invited Lecture)
U. Thadani , University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA | 432 |
| 11:30 | MANAGEMENT OF STABLE ISCHEMIC HEART DISEASE: OVERVIEW OF RECENT GUIDELINES (Invited Lecture)
J.M. Gardin , Hackensack University Medical Center, NJ, USA | 433 |
| 11:45 | IN-VIVO RISK STRATIFICATION OF INDIVIDUAL CORONARY ARTERY PLAQUES: EVOLVING PARADIGM FOR PREEMPTIVE MANAGEMENT OF PATIENTS WITH CAD (Invited Lecture)
P.H. Stone , Brigham & Women's Hospital, Boston, MA, USA | 434 |
| 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 | 435 |
| 12:15 | IS ISCHEMIA UNIVERSAL IN A CHRONIC TOTAL OCCLUSION? (Invited Lecture)
R. Sachdeva , North Fulton Hospital, Roswell, GA, USA | 436 |
| 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 | 437 |
| 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 | 438 |
| 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 | 439 |
| 13:15 | STABLE ISCHEMIC HEART DISEASE: EVOLVING CONCEPTS AND THE ROLE OF ISCHEMIA (Invited Lecture)
M.S. Sidhu , Albany Medical College, Albany, NY, USA | 440 |
| 13:30 | CT FLOW METRICS BASED ON CONTRAST OPACIFICATION
F.J. Rybicki , D.M. Mitsouras, Brigham and Women's Hospital, Boston, MA, USA | 442 |
| 13:45 | SHOULD DUAL ANTI-PLATELET THERAPY FOR CORONARY ARTERY DISEASE BE MORE OR LESS THAN 12 MONTHS? : A META-ANALYSIS
D. Garcia , M. Ansari, C. Martinez, C. Alfonso, A. Benjo, M. Cohen, E. De Marchena
University of Miami/Jackson Memorial Hospital, Miami, FL, USA | 441 |

MONDAY, JULY 28, 2014

11:15 – 13:00

Nantucket

PL20 Plenary Session OBESITY, DIABETES AND CVD

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

Abstract No.

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|-------|--|-----|
| 11:15 | THE MACROPHAGE A2B ADENOSINE RECEPTOR REGULATES OBESITY-INDUCED TISSUE INSULIN SENSITIVITY (Invited Lecture)
K. Ravid , H. Johnston-Cox, A. Eisenstein, M. Koupenova-Zamor
Boston University School of Medicine, Boston, MA, USA | 443 |
| 11:30 | METABOLIC SYNDROME CRITERIA: CAUSE VERSUS EFFECT OF CARDIOMETABOLIC DISEASE (Invited Lecture)
T.B. Levine , Drexel University College of Medicine, Philadelphia, PA, USA | 444 |
| 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 | 445 |
| 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 | 446 |
| 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 | 447 |
| 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 | 448 |
| 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
Daejeon St. Mary's Hospital, the Catholic University of Korea, Daejeon, Korea | 449 |

MONDAY, JULY 28, 2014

11:15 – 14:00

Adrienne Salon

S34 Session

DISEASE PATHWAYS AND NEW TREATMENT STRATEGIES IN HEART FAILURE AND CARDIOMYOPATHIES

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

Abstract No.

- | | | |
|-------|---|-----|
| 11:15 | TREATING RAPID ATRIAL FIBRILLATION IN DECOMPENSATED HEART FAILURE: METOPROLOL IS SUPERIOR TO DILTIAZEM
F. Katchi , S. Nagabandi, J. Shuster, E. Novak, S. Joseph
Washington University in St. Louis School of Medicine, St. Louis, Missouri, USA | 450 |
| 11:30 | PREDICTORS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION (HFPEF)
A. Kumar , A.K. Saluja, A. Khan, D. Gandhi, M.A. Morsy, W.I. Khalife
University of Texas Medical Branch, Galveston, TX, USA | 451 |
| 11:45 | OPTIMIZING HEART FAILURE OUTCOMES: WHICH HOSPITAL CARE MODEL CAN WE LEARN FROM?
P.M. Ndunda , M. Farhoud, H. Farhoud, K.J. Kallail
Kansas University School of Medicine-Wichita, Wichita, KS, USA | 452 |
| 12:00 | COMPARATIVE EFFECTIVENESS OF TRANSITIONAL CARE SERVICES IN PATIENTS DISCHARGED FROM THE HOSPITAL WITH HEART FAILURE (HF): A META-ANALYSIS
H.G.C. Van Spall , O. Mytton, M. Coppiens, T. Shiga, B. Haynes, S. Connolly
Population Health Research Institute and McMaster University, Hamilton, ON, Canada | 453 |
| 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 | 454 |
| 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 | 455 |
| 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 | 456 |
| 13:00 | EDHFC: 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 | 457 |
| 13:15 | COLCHICINE USE FOR THE PRIMARY PREVENTION OF POSTPERICARDIOTOMY SYNDROME (CUPP): A META-ANALYSIS
C.K. Fomaneg , P.E.E Samonte, M.M. Sasondoncillo-Nadal, C.L.L Sim-Apura, L.P. Padua
Philippine Heart Center, Quezon City, Philippines | 458 |

MONDAY, JULY 28, 2014

11:15 – 14:00

Adrienne Salon

S34 Session

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

Abstract No.

- 13:30 TRASTUZMAB CARDIOTOXICITY DOCUMENTED BY SERIAL ASSESSMENT OF LEFT VENTRICULAR SYSTOLIC FUNCTION AND GLOBAL LONGITUDINAL PEAK STRAIN **459**
A.M. Cook, R.C. Phillion, K.J. Babbitt, L.L. Eberhart, **D.E. Langholz**, H.L. Sherman.
Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA
- 13:45 PREDICTORS OF LEFT VENTRICULAR DYSFUNCTION AFTER ARTERIAL-VENOUS FISTULA PLACEMENT **460**
R. Dhingra, S. Tariq, J. Anderson, M. Gallichio, M. Torosoff
Albany Medical College, Albany, NY, USA

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/F547-HERG LINKED TO LONG QT SYNDROME TYPE 2 461

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 462

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Institute of Molecular Medicine, Peking University, Beijing, China

- 3 PREVALENCE OF ANTIPLATELET DRUG RESISTANCE IN ASIAN COMMUNITY 463

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 464

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 465

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 466

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 467

J.M. Gardin, K.K. Poppe, G.A. Whalley; R. Senior, on behalf of the EchoNoRMAL collaborators
Hackensack University Medical Center, Hackensack, NJ, USA

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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	468
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	469
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	470
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	471
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	472
13	TWO-DIMENSIONAL AND THREE-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHY IN THE ASSESSMENT OF LEFT AND RIGHT VENTRICULAR FUNCTION AFTER MITRACLIP IMPLANTATION IN FUNCTIONAL MITRAL REGURGITATION A. Vitarelli, E. Mangieri, G. Tanzilli, L. Capotosto , R. Ashurov, M. De Maio Sapienza University, Rome, Italy	473
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	474

MONDAY, JULY 28, 2014

08:00 – 13:00

Poster Hall

P502 PROGRESS IN ECHOCARDIOGRAPHY (cont.)

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| 15 | <p>ROLE OF SIMULATION IN ECHOCARDIOGRAPHY TRAINING IN CARDIOLOGY FELLOWS: A PILOT STUDY</p> <p>N. Sareen, R. Adams, A. Ojha, K. Patel, W. Smith
St Joseph Mercy Oakland, Wayne State University, Pontiac, MI, USA</p> | 475 |
| 16 | <p>A META-ANALYSIS OF ASSOCIATION BETWEEN EPICARDIAL ADIPOSE TISSUE AND DIASTOLIC DYSFUNCTION</p> <p>P. Agasthi, H.J. Willens, L. Tamariz
University of Miami, Miami, FL, USA</p> | 476 |
| 17 | <p>BICUSPID AORTIC VALVE AND AORTIC ROOT MORPHOLOGY IN HISPANIC PATIENTS</p> <p>S.A. Horvath, C.G. Mihos, H.M. Elmahdy, A.M. Pineda, J.P. Rodriguez-Escudero, O. Santana
Department of Internal Medicine at Mount Sinai Medical Center, Miami Beach, FL, USA</p> | 477 |
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